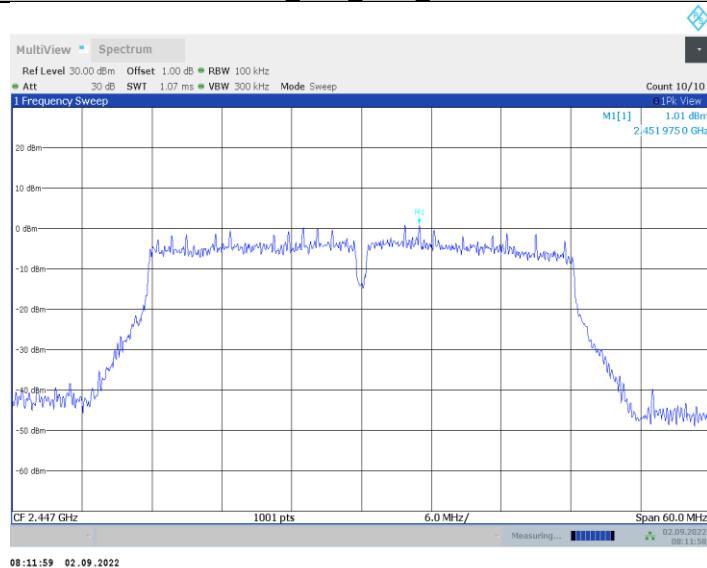
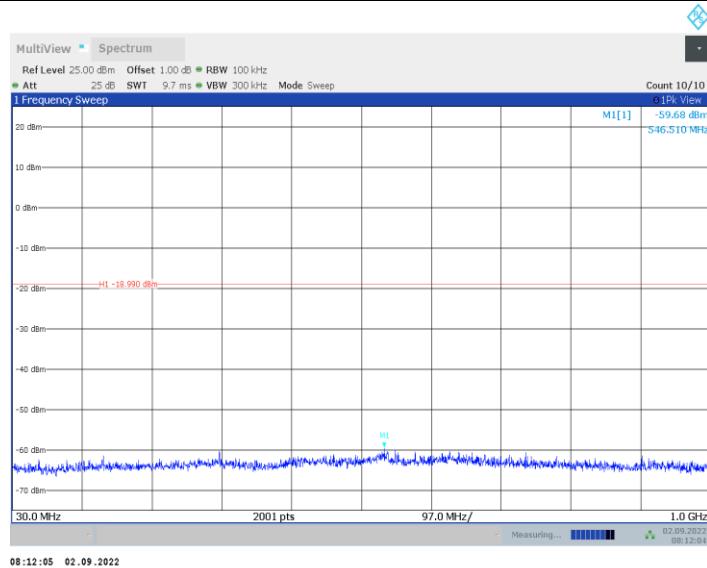


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11n40MIMO_Ant1_2447_0~Reference



11n40MIMO_Ant1_2447_30~1000



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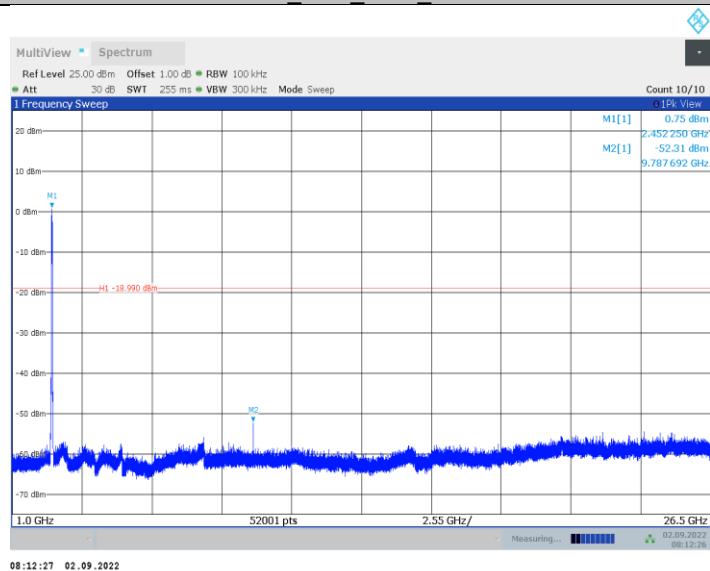


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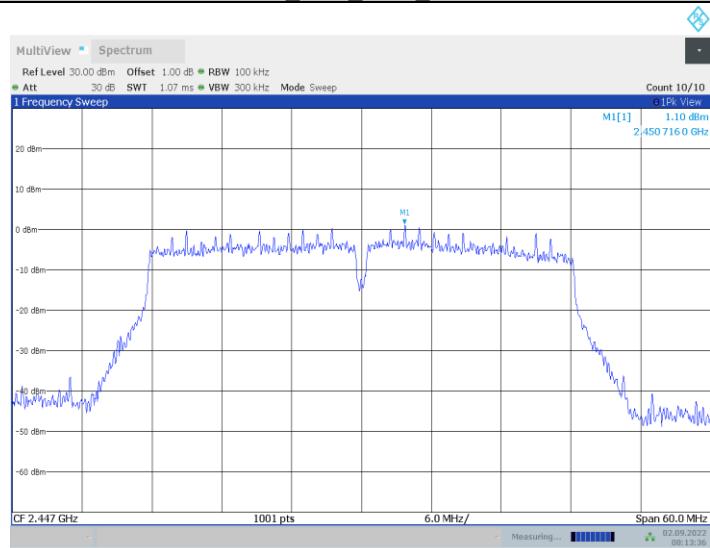
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11n40MIMO_Ant1_2447_1000~26500



11n40MIMO_Ant2_2447_0~Reference



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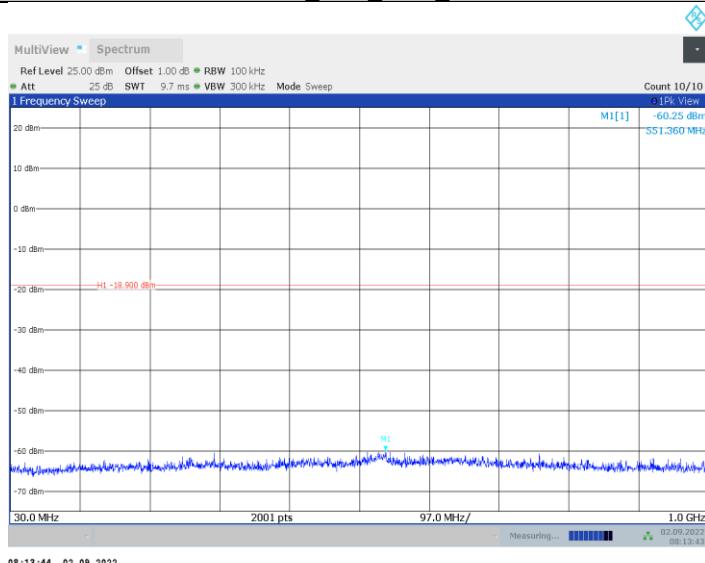
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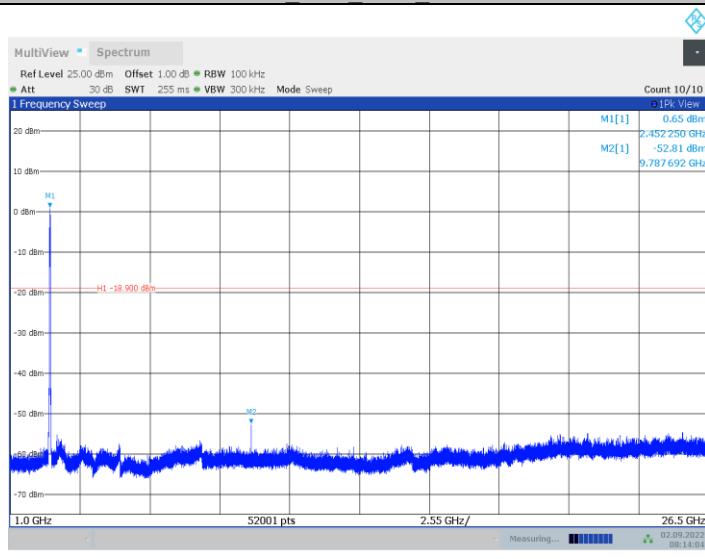
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11n40MIMO_Ant2_2447_30~1000



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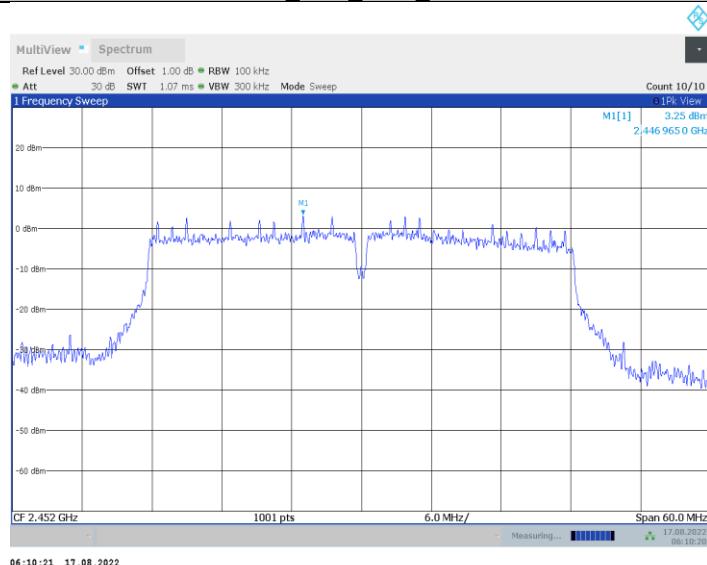
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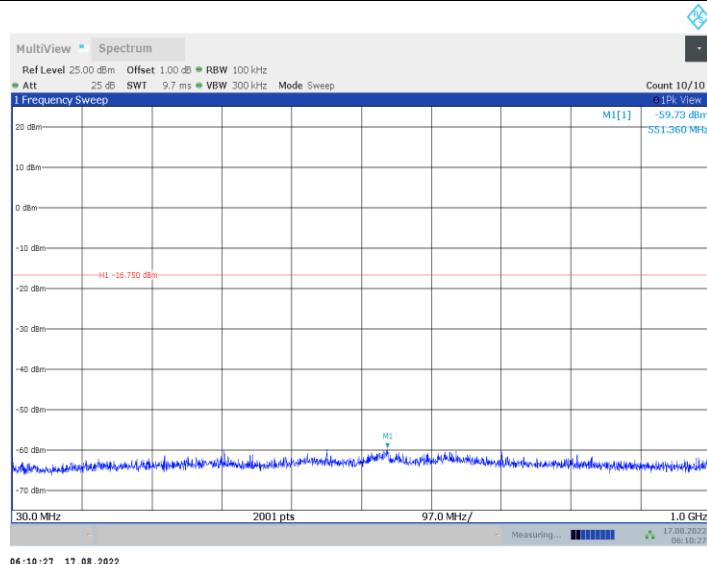
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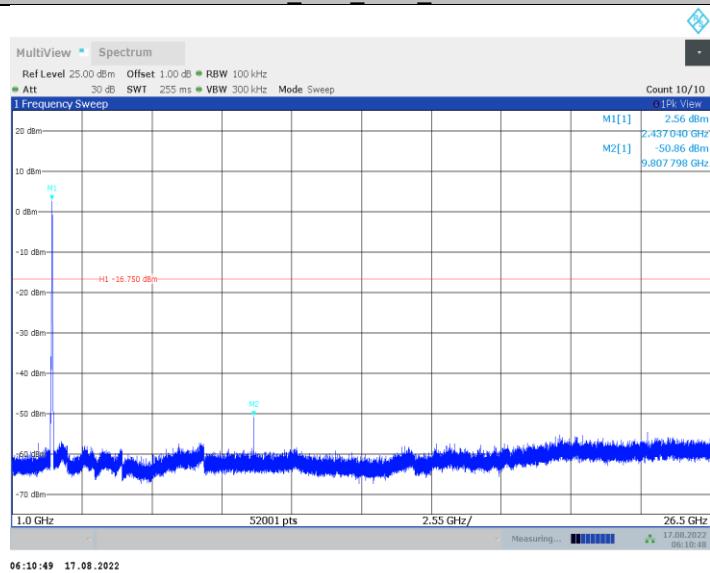
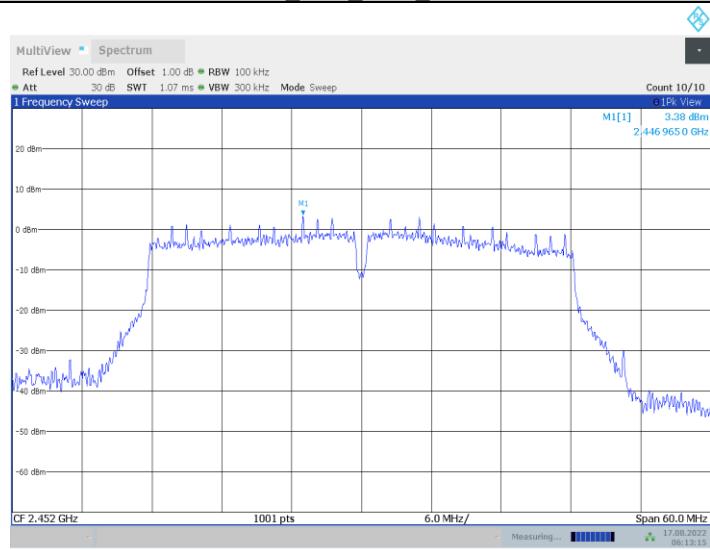
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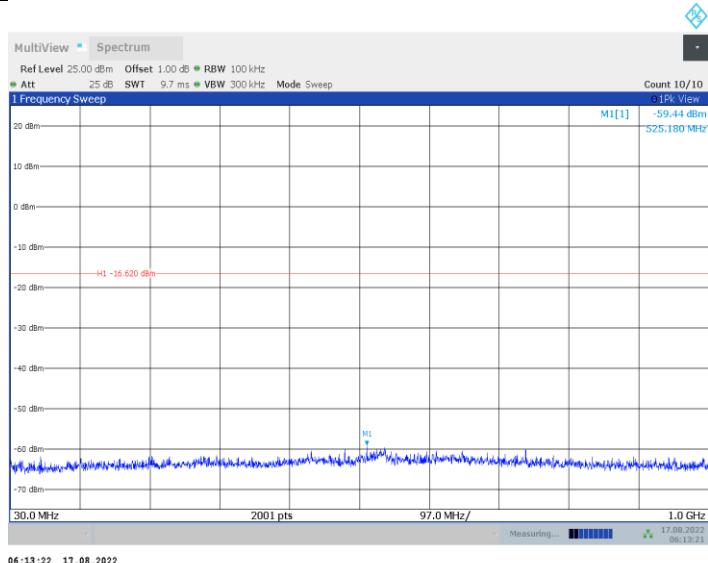
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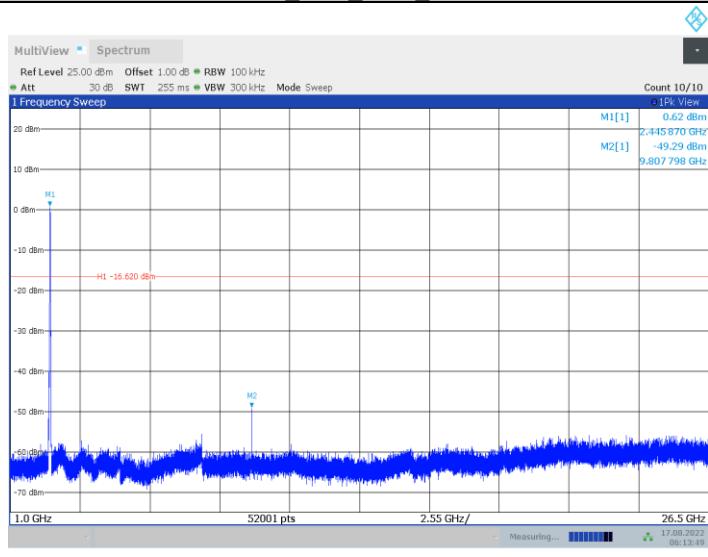
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11n40MIMO_Ant2_2452_30~1000



11n40MIMO Ant2 2452 1000~26500



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Duty Cycle Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11b-CDD	Ant1	2412	12.45	12.56	99.12
	Ant2	2412	12.46	12.56	99.20
11g-CDD	Ant1	2412	2.06	2.10	98.10
	Ant2	2412	2.06	2.10	98.10
11n20MIMO	Ant1	2412	1.92	1.96	97.96
	Ant2	2412	1.93	1.97	97.97
11n40MIMO	Ant1	2422	0.95	1.00	95.00
	Ant2	2422	0.95	1.00	95.00

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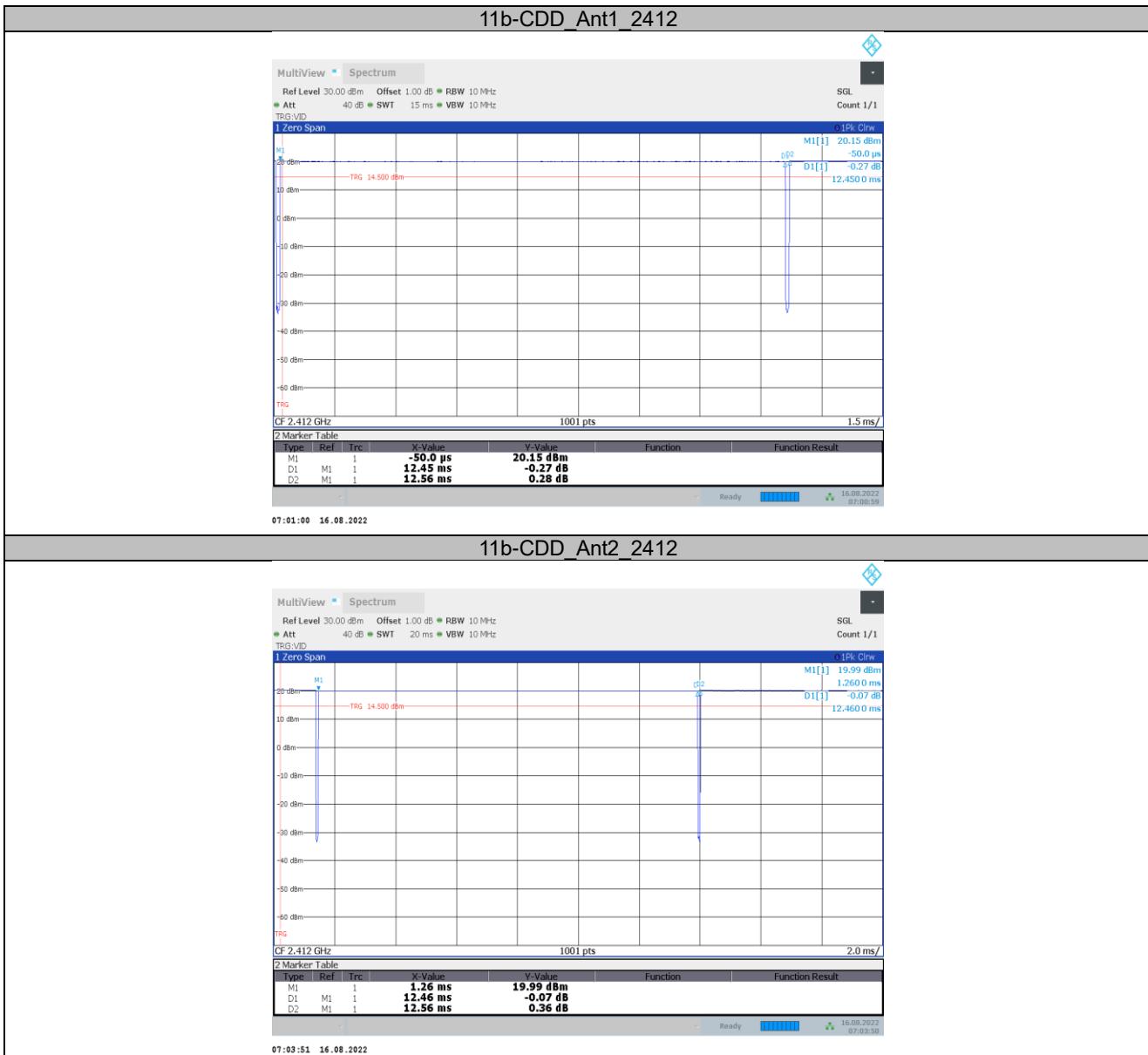
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Test Graphs



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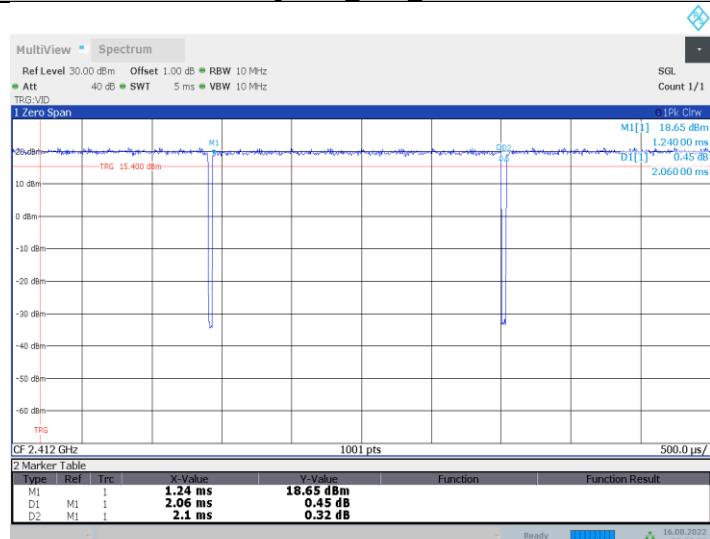
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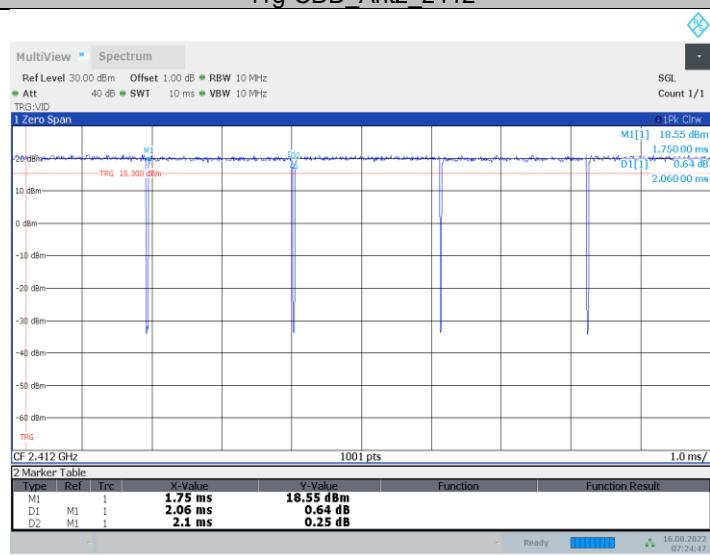
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11g-CDD_Ant1_2412



11g-CDD_Ant2_2412



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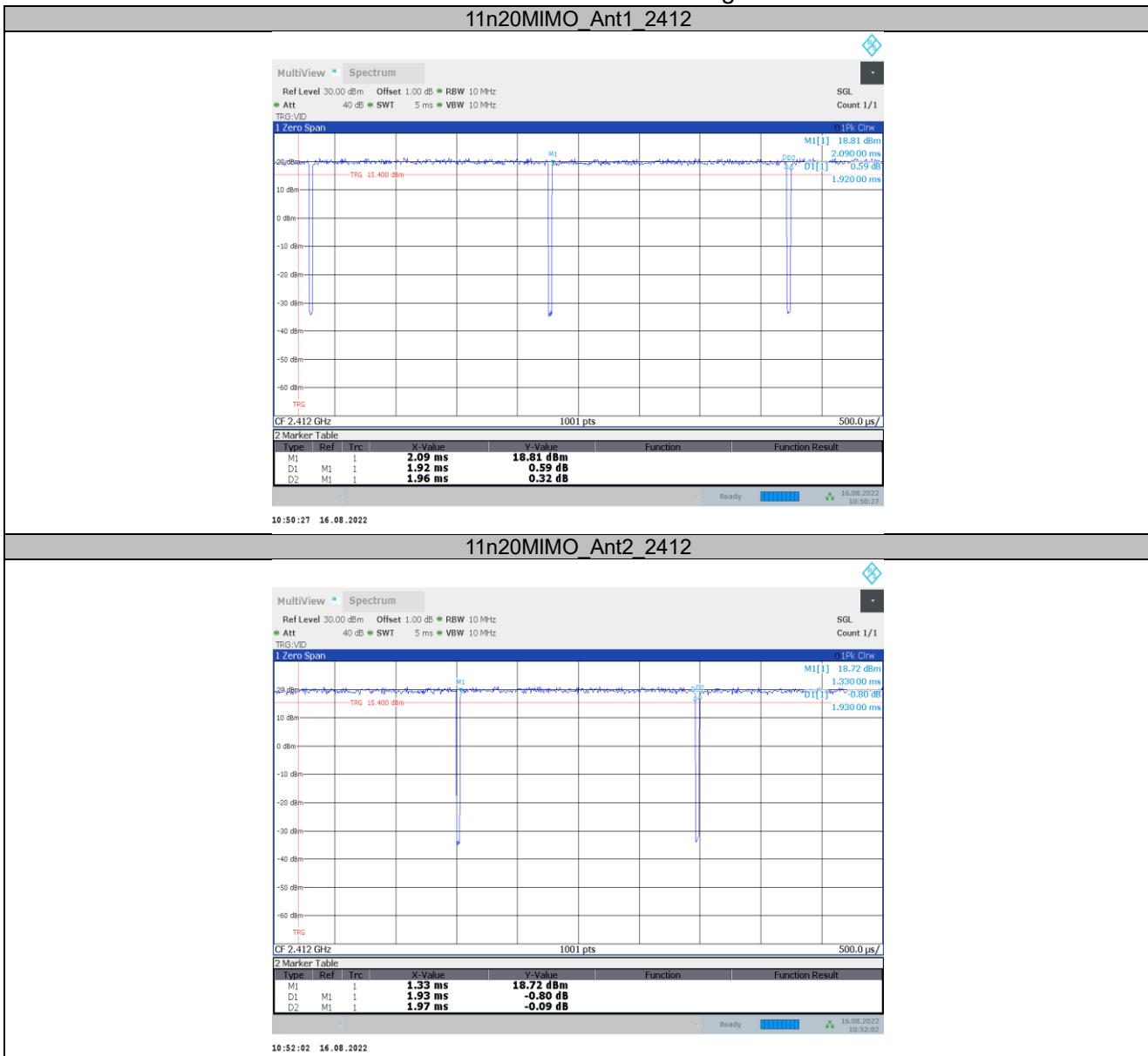
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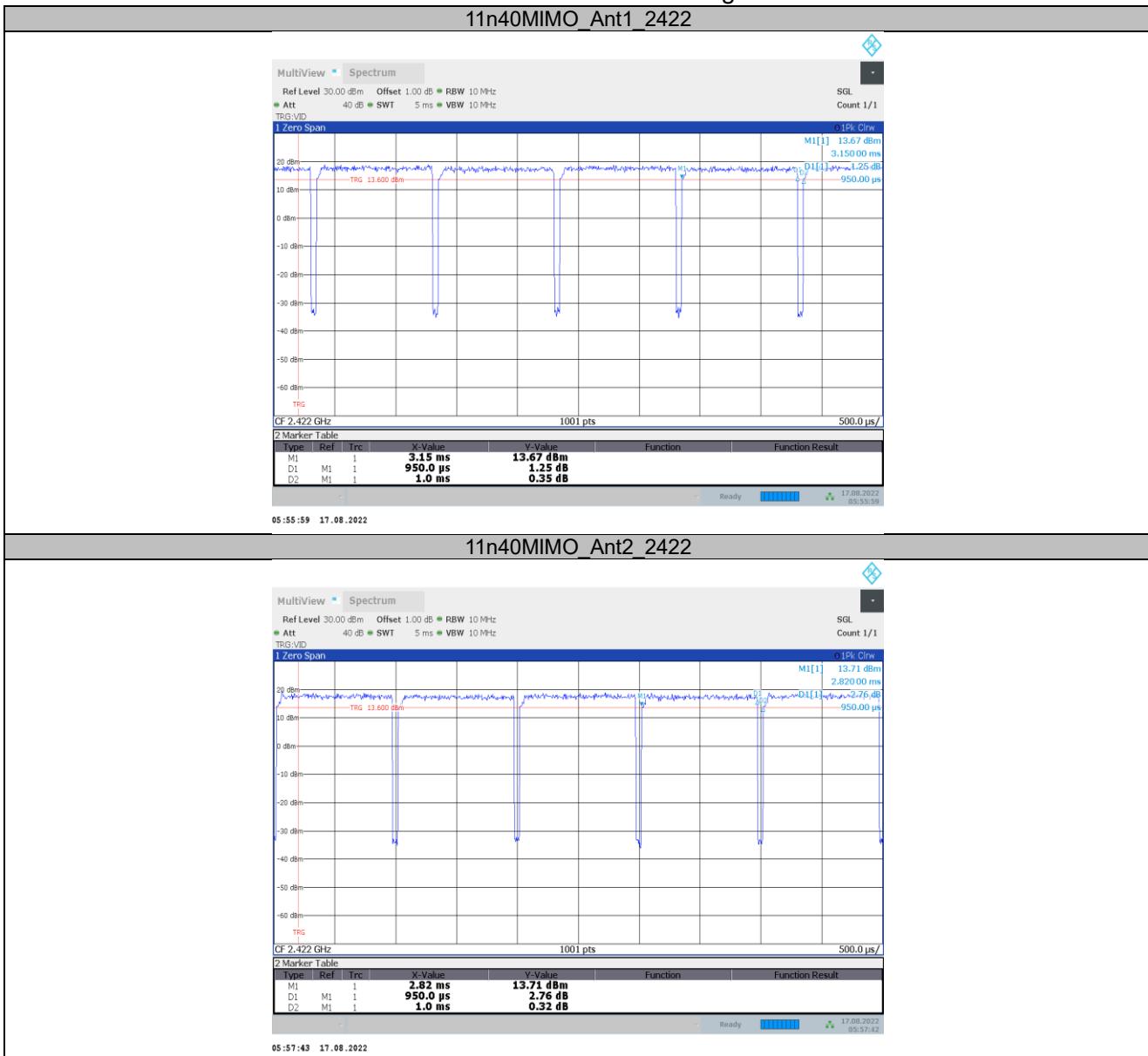


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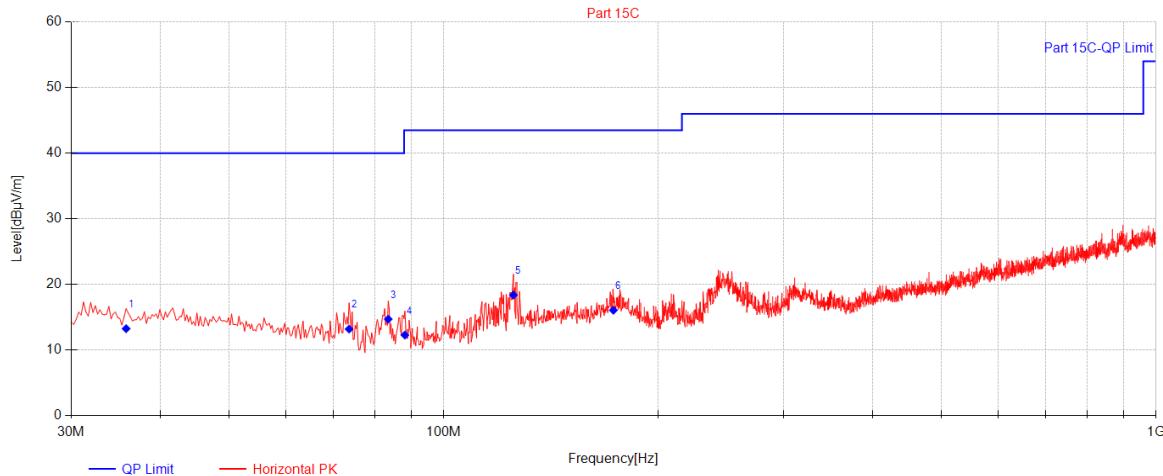
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Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 11n20_Channel 01



Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.82	36.19	-36.45	13.50	13.24	40.00	26.76	165	305	Horizontal
2	73.65	39.11	-36.20	10.26	13.18	40.00	26.82	142	169	Horizontal
3	83.5925	41.26	-35.92	9.34	14.69	40.00	25.31	185	283	Horizontal
4	88.2	39.13	-36.29	9.41	12.26	43.50	31.24	145	147	Horizontal
5	125.3025	41.72	-35.88	12.53	18.37	43.50	25.13	291	84	Horizontal
6	173.075	36.72	-35.17	14.49	16.05	43.50	27.45	133	264	Horizontal

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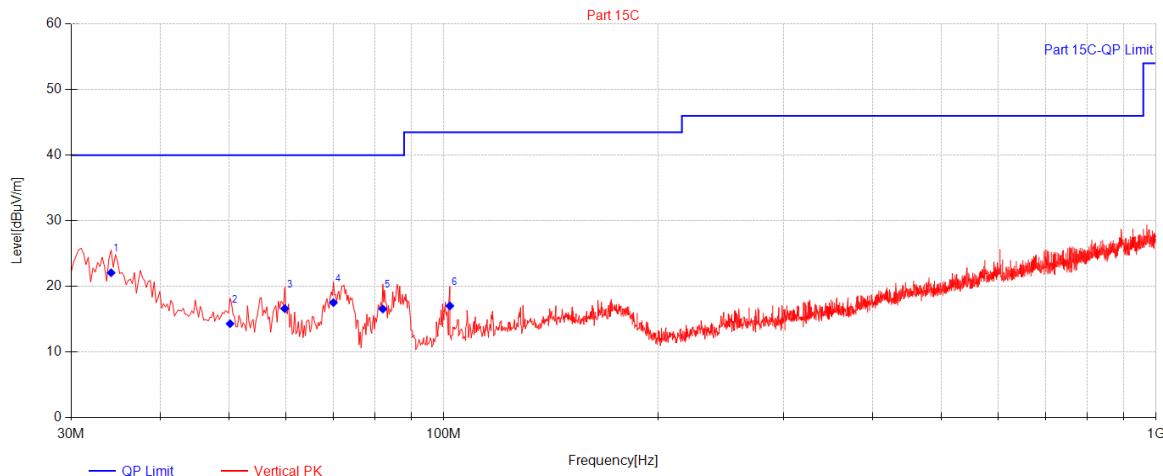


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Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	34.1225	45.23	-36.52	13.36	22.07	40.00	17.93	162	35	Vertical
2	50.1275	36.91	-36.14	13.53	14.30	40.00	25.70	145	166	Vertical
3	59.8275	40.23	-36.40	12.76	16.60	40.00	23.40	198	254	Vertical
4	70.0125	43.22	-36.52	10.82	17.52	40.00	22.48	142	275	Vertical
5	82.1375	43.02	-35.80	9.32	16.54	40.00	23.46	233	254	Vertical
6	102.0225	42.51	-35.84	10.35	17.02	43.50	26.48	261	232	Vertical

Remark:

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

$$\text{Value} = \text{Reading(dBμV)} + \text{AF(dB/m)} + \text{Factor(dB)}$$

$$\text{AF} = \text{Antenna Factor(dB/m)}$$

$$\text{Factor} = \text{Cable Factor(dB)} - \text{Preamplifier gain(dB)}$$

$$\text{Margin} = \text{Limit(dBμV/m)} - \text{Value(dBμV/m)}$$
- 2) All channels have been tested, but only the worst case data displayed in this report.

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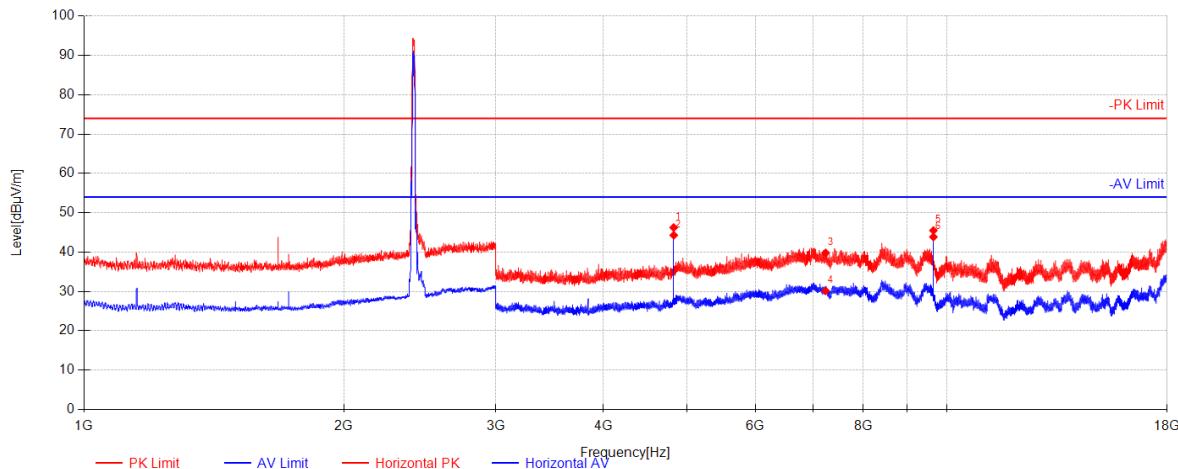
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Transmitter emission Above 1GHz

802.11b_Channel 01 CDD



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4824.0000	59.39	32.39	-45.54	46.24	74.00	27.76	214	276	Horizontal	
2	4824.5	57.44	32.39	-45.54	44.29	54.00	9.71	263	276	Horizontal	
3	7236.0000	46.76	36.58	-43.54	39.80	74.00	34.20	162	24	Horizontal	
4	7236.0000	37.10	36.58	-43.54	30.14	54.00	23.86	154	331	Horizontal	
5	9648.0000	46.66	38.39	-39.56	45.49	74.00	28.51	178	165	Horizontal	
6	9648.5	45.02	38.39	-39.56	43.85	54.00	10.15	191	165	Horizontal	

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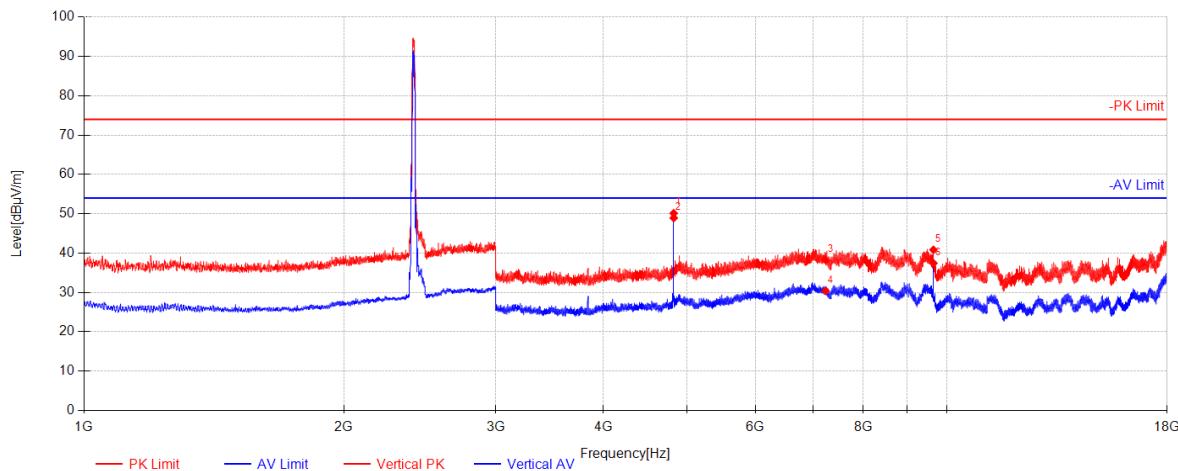
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802.11b_Channel 01 CDD



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4824.0000	63.27	32.39	-45.54	50.12	74.00	23.88	211	332	Vertical	
2	4824.5	62.07	32.39	-45.54	48.92	54.00	5.08	236	356	Vertical	
3	7236.0000	45.21	36.58	-43.54	38.25	74.00	35.75	142	0	Vertical	
4	7236.0000	37.36	36.58	-43.54	30.40	54.00	23.60	174	110	Vertical	
5	9648.0000	42.01	38.39	-39.56	40.84	74.00	33.16	152	81	Vertical	
6	9648.5	38.60	38.39	-39.56	37.43	54.00	16.57	190	332	Vertical	

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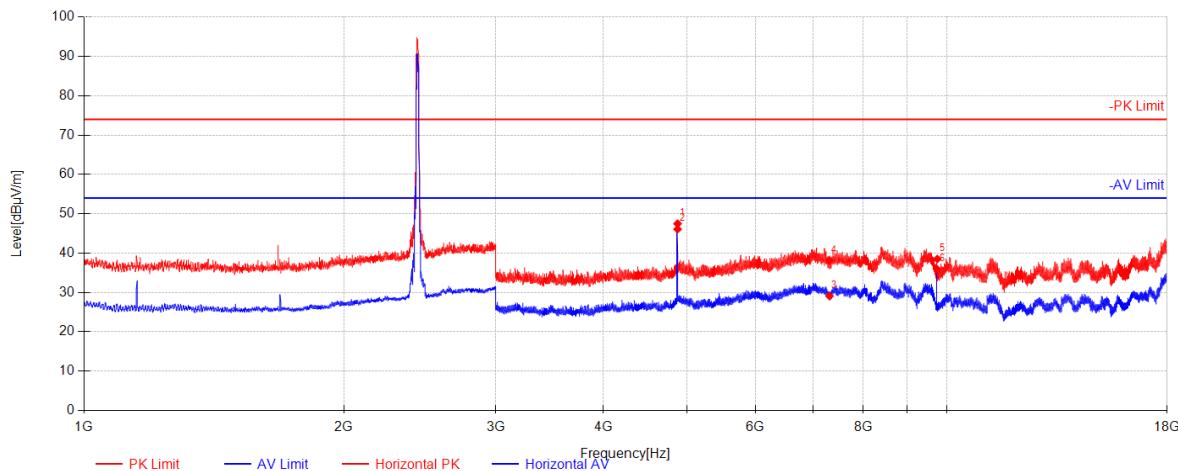
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802.11b_Channel 06 CDD



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4874.0000	60.48	32.53	-45.53	47.47	74.00	26.53	155	52	Horizontal	
2	4874.5	59.08	32.53	-45.53	46.08	54.00	7.92	142	275	Horizontal	
3	7311.0000	36.26	36.54	-43.71	29.09	54.00	24.91	126	165	Horizontal	
4	7311.0000	45.28	36.54	-43.71	38.11	74.00	35.89	174	7	Horizontal	
5	9748.0000	39.69	38.28	-39.46	38.51	74.00	35.49	261	165	Horizontal	
6	9748.5	37.03	38.28	-39.46	35.85	54.00	18.15	145	165	Horizontal	

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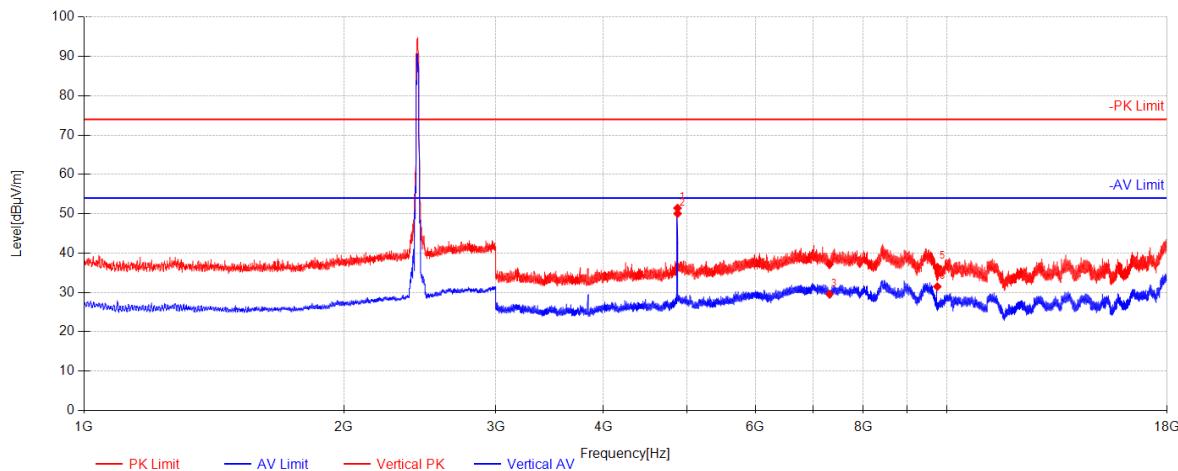
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802.11b_Channel 06 CDD



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4874.0000	64.45	32.53	-45.53	51.44	74.00	22.56	174	356	Vertical	
2	4874.5	63.05	32.53	-45.53	50.05	54.00	3.95	169	356	Vertical	
3	7311.0000	36.73	36.54	-43.71	29.56	54.00	24.44	148	52	Vertical	
4	7311.0000	44.34	36.54	-43.71	37.17	74.00	36.83	175	25	Vertical	
5	9748.0000	37.61	38.28	-39.46	36.43	74.00	37.57	195	194	Vertical	
6	9748.5	32.66	38.28	-39.46	31.48	54.00	22.52	173	194	Vertical	

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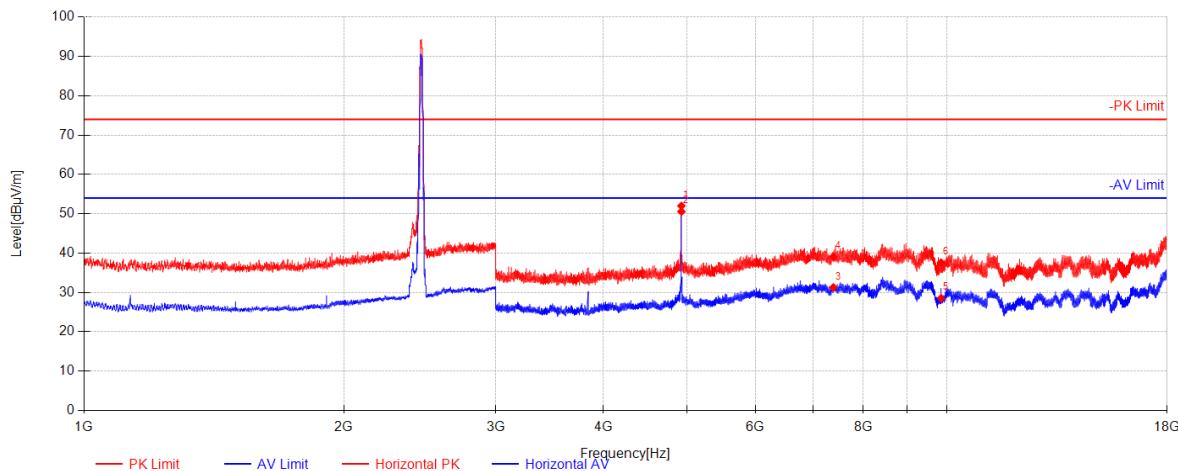
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802.11b_Channel 11 CDD



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4924.0000	64.89	32.67	-45.56	52.00	74.00	22.00	241	356	Horizontal	
2	4924.5	63.44	32.67	-45.56	50.55	54.00	3.45	154	1	Horizontal	
3	7386.0000	38.22	36.50	-43.46	31.26	54.00	22.74	192	306	Horizontal	
4	7386.0000	46.04	36.50	-43.46	39.08	74.00	34.92	126	276	Horizontal	
5	9848.0000	29.65	38.28	-39.41	28.53	54.00	25.47	174	110	Horizontal	
6	9848.0000	38.71	38.28	-39.41	37.59	74.00	36.41	185	7	Horizontal	

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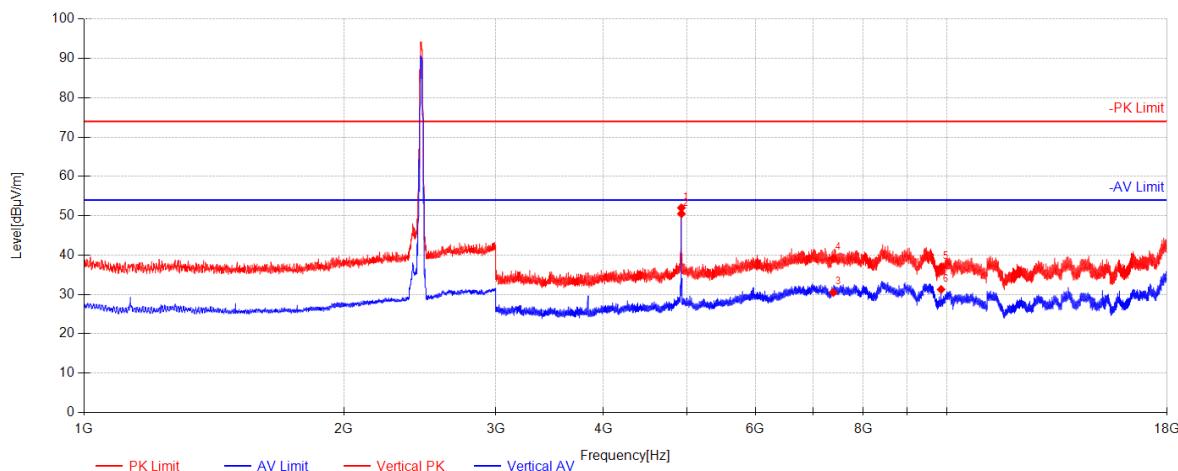


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802.11b_Channel 11 CDD



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4924.0000	64.90	32.67	-45.56	52.01	74.00	21.99	185	122	Vertical	
2	4924.5	63.40	32.67	-45.56	50.51	54.00	3.49	142	0	Vertical	
3	7386.0000	37.44	36.50	-43.46	30.48	54.00	23.52	291	55	Vertical	
4	7386.0000	46.16	36.50	-43.46	39.20	74.00	34.80	163	331	Vertical	
5	9848.0000	37.99	38.28	-39.41	36.87	74.00	37.13	174	194	Vertical	
6	9848.5	32.39	38.29	-39.41	31.27	54.00	22.73	133	195	Vertical	

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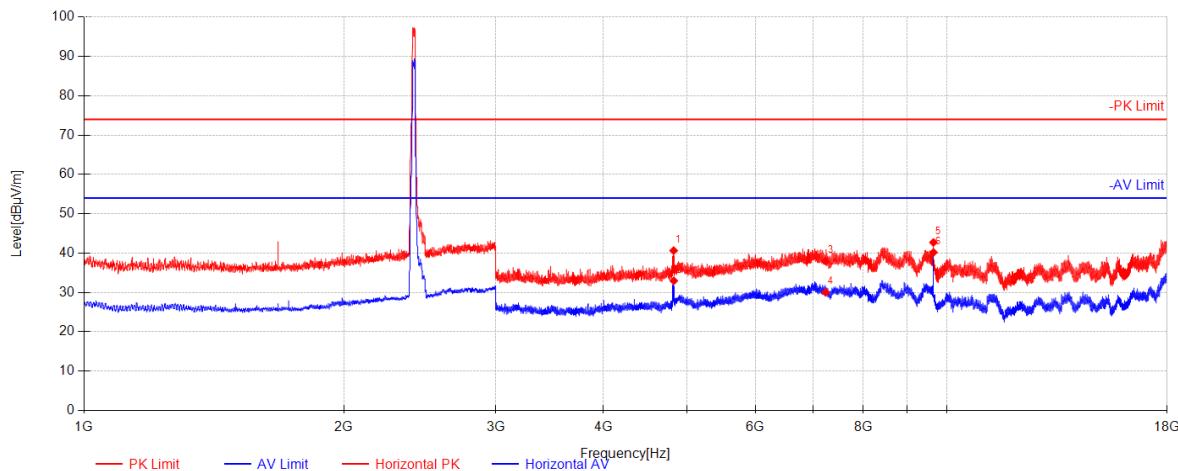
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802.11g_Channel 01 CDD



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4824.0000	53.78	32.39	-45.54	40.63	74.00	33.37	216	275	Horizontal	
2	4825	46.10	32.39	-45.54	32.95	54.00	21.05	235	79	Horizontal	
3	7236.0000	44.92	36.58	-43.54	37.96	74.00	36.04	145	246	Horizontal	
4	7236.0000	36.98	36.58	-43.54	30.02	54.00	23.98	192	47	Horizontal	
5	9648.0000	43.88	38.39	-39.56	42.71	74.00	31.29	172	249	Horizontal	
6	9648.5	41.35	38.39	-39.56	40.18	54.00	13.82	133	275	Horizontal	

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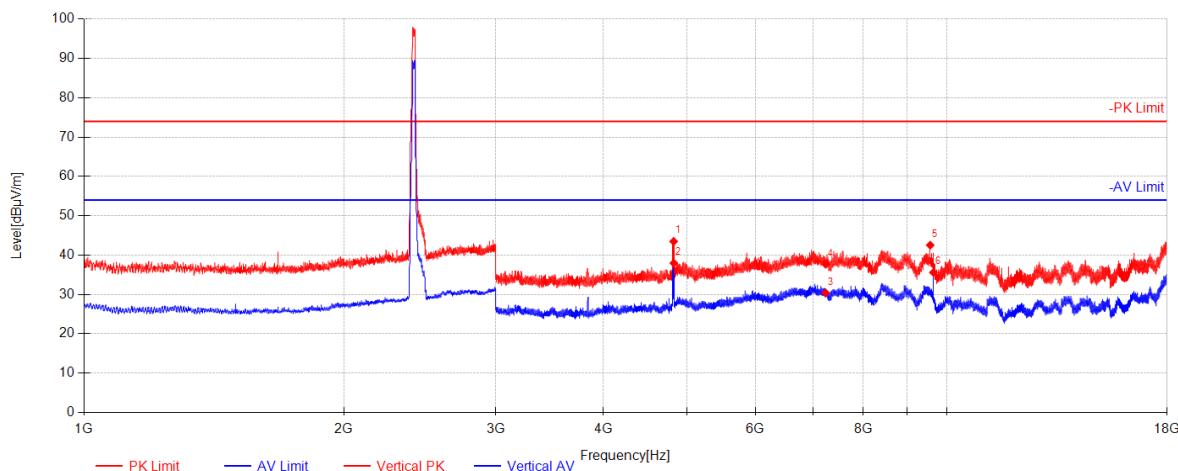
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802.11g_Channel 01 CDD



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4824.0000	56.64	32.39	-45.54	43.49	74.00	30.51	254	0	Vertical	
2	4825	51.13	32.39	-45.54	37.98	54.00	16.02	126	6	Vertical	
3	7236.0000	37.36	36.58	-43.54	30.40	54.00	23.60	174	190	Vertical	
4	7236.0000	44.65	36.58	-43.54	37.69	74.00	36.31	191	6	Vertical	
5	9566	43.94	38.45	-39.86	42.53	74.00	31.47	185	1	Vertical	
6	9648.5	36.76	38.39	-39.56	35.59	54.00	18.41	130	331	Vertical	

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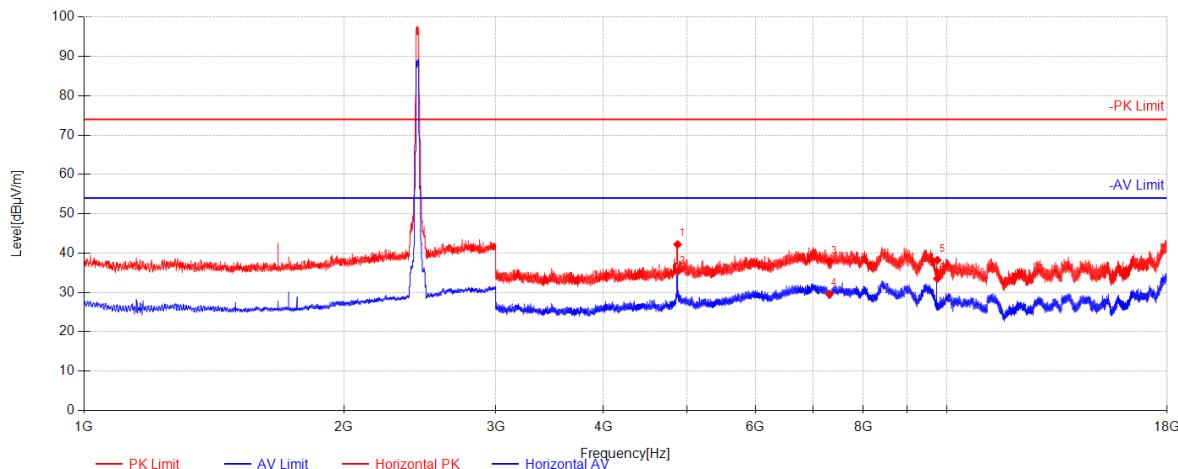


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802.11g_Channel 06 CDD



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4874.0000	55.21	32.53	-45.53	42.20	74.00	31.80	231	278	Horizontal	
2	4875	48.33	32.53	-45.53	35.33	54.00	18.67	145	53	Horizontal	
3	7311.0000	45.07	36.54	-43.71	37.90	74.00	36.10	142	332	Horizontal	
4	7311.0000	36.75	36.54	-43.71	29.58	54.00	24.42	195	138	Horizontal	
5	9748.0000	39.38	38.28	-39.46	38.20	74.00	35.80	172	193	Horizontal	
6	9748.5	34.69	38.28	-39.46	33.51	54.00	20.49	126	219	Horizontal	

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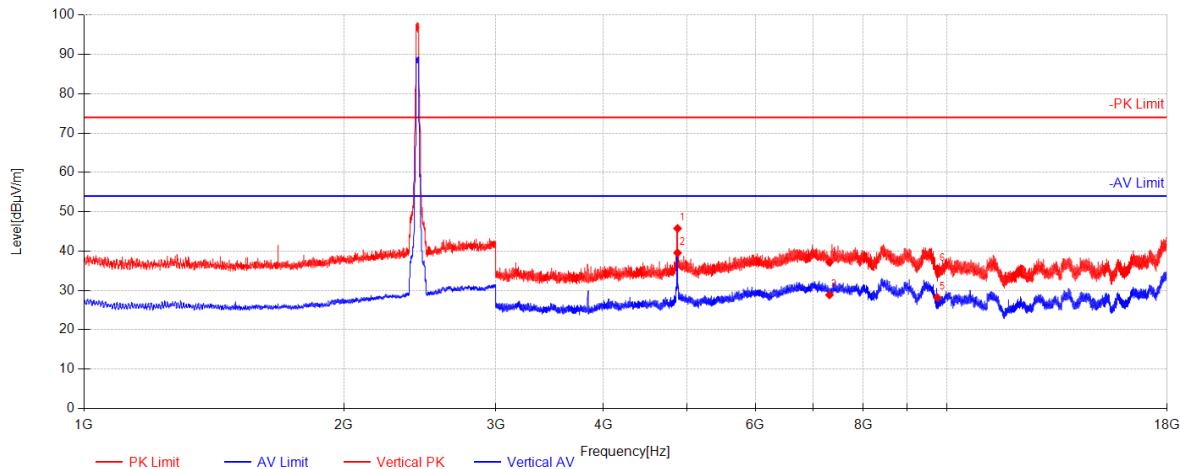
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802.11g_Channel 06 CDD



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	58.77	32.53	-45.53	45.76	74.00	28.24	213	0	Vertical
2	4874.5	52.54	32.53	-45.53	39.54	54.00	14.46	158	0	Vertical
3	7311.0000	36.02	36.54	-43.71	28.85	54.00	25.15	199	23	Vertical
4	7311.0000	44.32	36.54	-43.71	37.15	74.00	36.85	142	196	Vertical
5	9748.0000	29.40	38.28	-39.46	28.22	54.00	25.78	173	26	Vertical
6	9748.0000	36.72	38.28	-39.46	35.54	74.00	38.46	231	84	Vertical

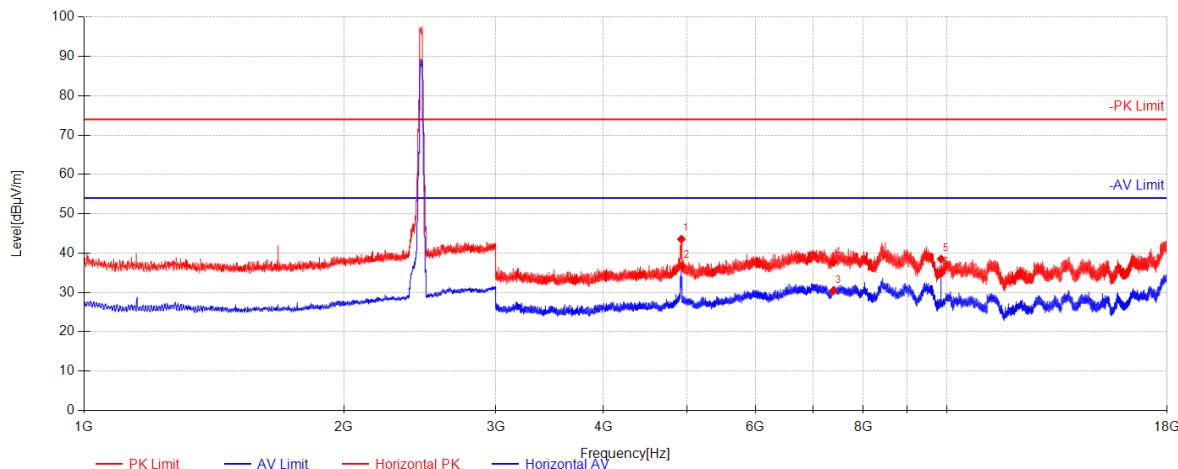
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802.11g_Channel 11 CDD



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4924.0000	56.43	32.67	-45.56	43.54	74.00	30.46	236	55	Horizontal	
2	4929.5	49.56	32.68	-45.56	36.68	54.00	17.32	251	278	Horizontal	
3	7386.0000	37.36	36.50	-43.46	30.40	54.00	23.60	175	195	Horizontal	
4	7386.0000	44.56	36.50	-43.46	37.60	74.00	36.40	145	54	Horizontal	
5	9848.0000	39.62	38.28	-39.41	38.50	74.00	35.50	194	250	Horizontal	
6	9848.5	36.09	38.29	-39.41	34.97	54.00	19.03	166	250	Horizontal	

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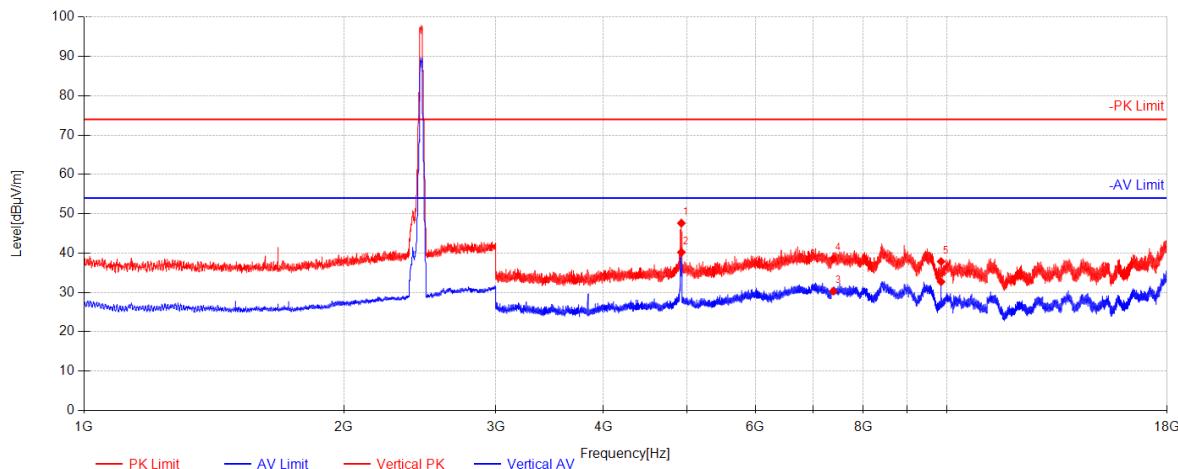
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802.11g_Channel 11 CDD



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4924.0000	60.50	32.67	-45.56	47.61	74.00	26.39	285	0	Vertical	
2	4924.5	53.11	32.67	-45.56	40.22	54.00	13.78	149	332	Vertical	
3	7386.0000	37.27	36.50	-43.46	30.31	54.00	23.69	175	193	Vertical	
4	7386.0000	45.53	36.50	-43.46	38.57	74.00	35.43	164	276	Vertical	
5	9848.0000	38.98	38.28	-39.41	37.86	74.00	36.14	144	332	Vertical	
6	9848.5	33.84	38.29	-39.41	32.72	54.00	21.28	130	332	Vertical	

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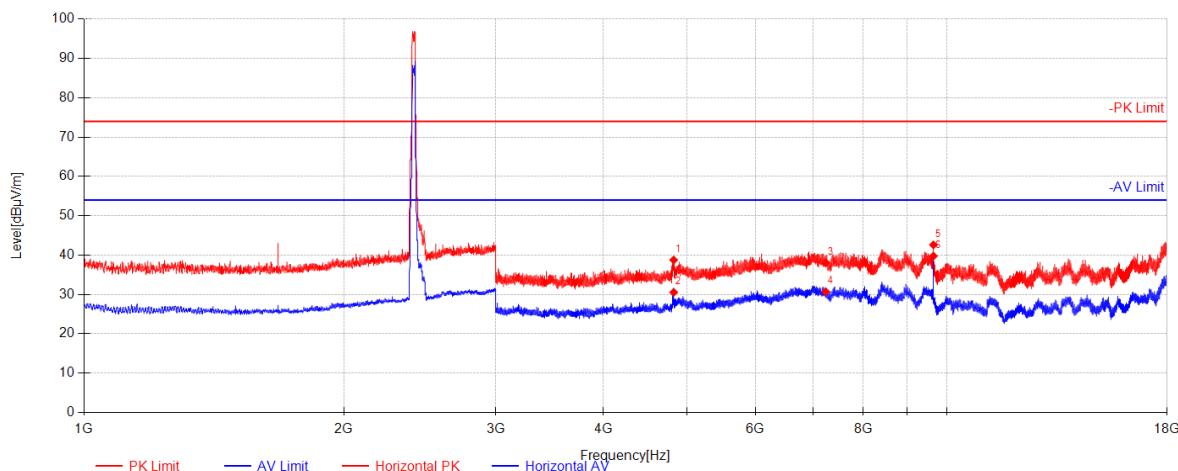
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802.11n20_Channel 01 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4824.0000	51.91	32.39	-45.54	38.76	74.00	35.24	213	278	Horizontal	
2	4824.0000	43.69	32.39	-45.54	30.54	54.00	23.46	233	278	Horizontal	
3	7236.0000	44.97	36.58	-43.54	38.01	74.00	35.99	166	334	Horizontal	
4	7236.0000	37.67	36.58	-43.54	30.71	54.00	23.29	251	25	Horizontal	
5	9648.0000	43.77	38.39	-39.56	42.60	74.00	31.40	148	249	Horizontal	
6	9648.5	40.94	38.39	-39.56	39.77	54.00	14.23	126	249	Horizontal	

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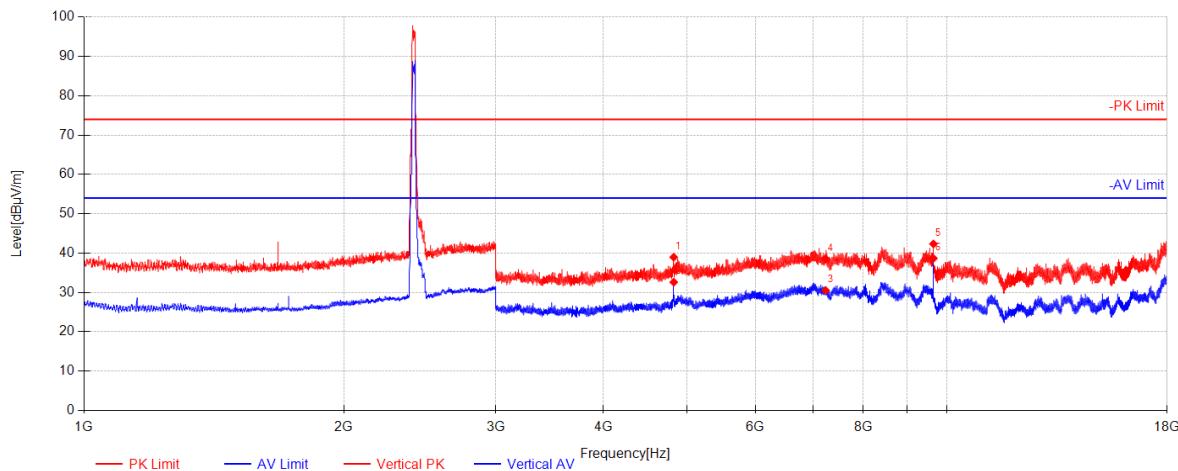
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802.11n20_Channel 01 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4824.0000	52.11	32.39	-45.54	38.96	74.00	35.04	165	278	Vertical	
2	4824.5	45.76	32.39	-45.54	32.61	54.00	21.39	145	278	Vertical	
3	7236.0000	37.47	36.58	-43.54	30.51	54.00	23.49	214	0	Vertical	
4	7236.0000	45.50	36.58	-43.54	38.54	74.00	35.46	199	138	Vertical	
5	9648.0000	43.51	38.39	-39.56	42.34	74.00	31.66	142	193	Vertical	
6	9648.5	39.84	38.39	-39.56	38.67	54.00	15.33	172	222	Vertical	

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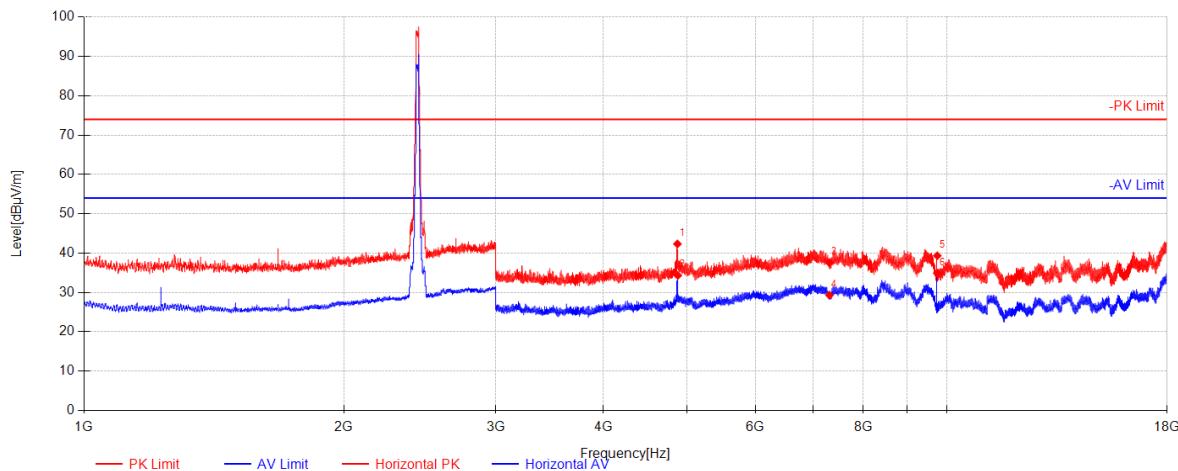
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802.11n20_Channel 06 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4872.5	55.34	32.52	-45.53	42.33	74.00	31.67	258	54	Horizontal	
2	4877	47.32	32.54	-45.53	34.32	54.00	19.68	147	278	Horizontal	
3	7311.0000	44.75	36.54	-43.71	37.58	74.00	36.42	196	0	Horizontal	
4	7311.0000	36.48	36.54	-43.71	29.31	54.00	24.69	185	0	Horizontal	
5	9748.0000	40.51	38.28	-39.46	39.33	74.00	34.67	174	249	Horizontal	
6	9748.5	36.09	38.28	-39.46	34.91	54.00	19.09	126	249	Horizontal	

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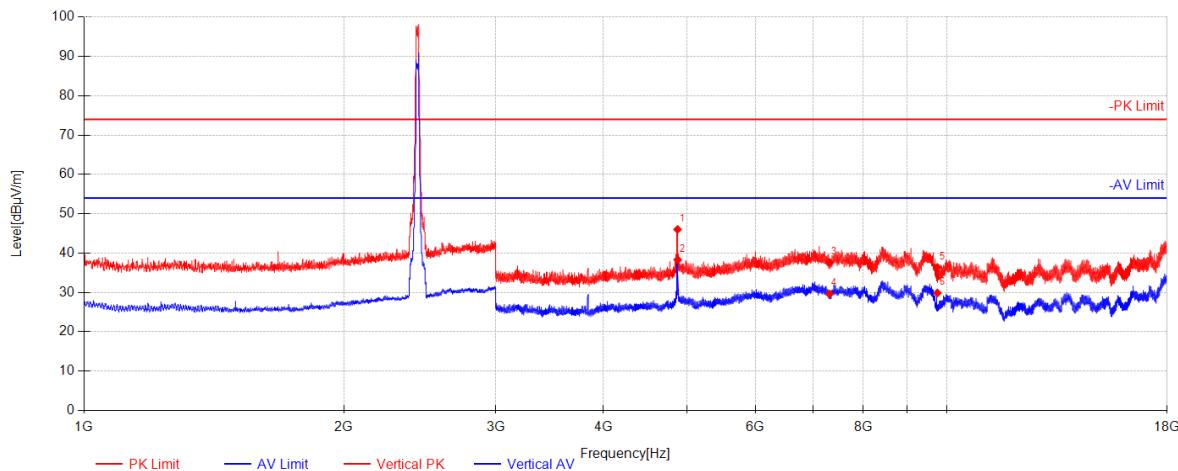


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Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4874.0000	59.02	32.53	-45.53	46.01	74.00	27.99	269	332	Vertical	
2	4875.5	51.30	32.53	-45.53	38.30	54.00	15.70	145	1	Vertical	
3	7311.0000	44.80	36.54	-43.71	37.63	74.00	36.37	179	279	Vertical	
4	7311.0000	36.80	36.54	-43.71	29.63	54.00	24.37	184	135	Vertical	
5	9748.0000	37.57	38.28	-39.46	36.39	74.00	37.61	146	246	Vertical	
6	9748.5	31.05	38.28	-39.46	29.87	54.00	24.13	215	54	Vertical	

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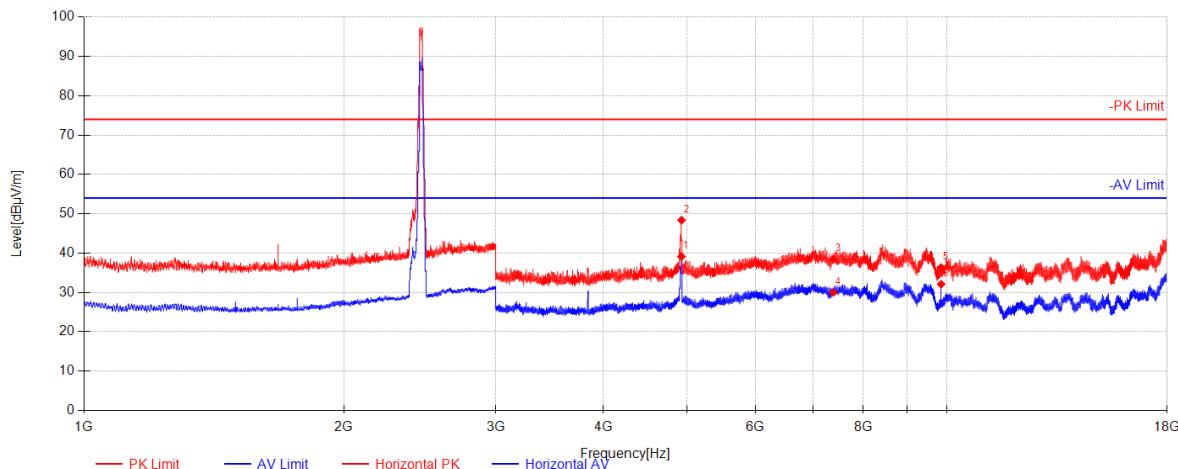
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Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4924.5	52.01	32.67	-45.56	39.12	54.00	14.88	215	0	Horizontal	
2	4926.5	61.25	32.67	-45.56	48.37	74.00	25.63	145	357	Horizontal	
3	7386.0000	45.34	36.50	-43.46	38.38	74.00	35.62	261	140	Horizontal	
4	7386.0000	36.95	36.50	-43.46	29.99	54.00	24.01	199	0	Horizontal	
5	9848.0000	37.45	38.28	-39.41	36.33	74.00	37.67	174	1	Horizontal	
6	9848.5	33.22	38.29	-39.41	32.10	54.00	21.90	133	332	Horizontal	

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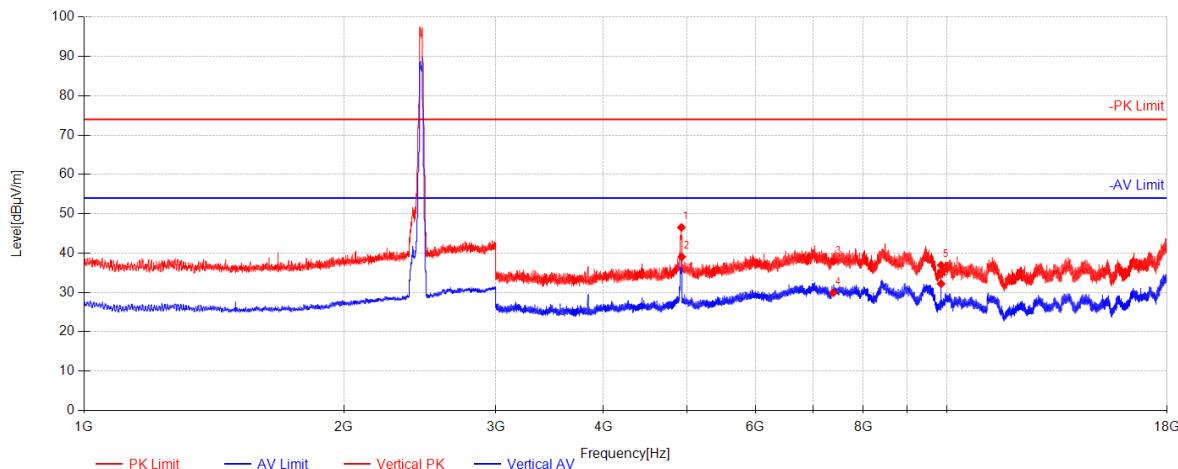
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802.11n20_Channel 11 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4924.0000	59.42	32.67	-45.56	46.53	74.00	27.47	154	1	Vertical	
2	4929	51.92	32.68	-45.56	39.04	54.00	14.96	148	356	Vertical	
3	7386.0000	44.85	36.50	-43.46	37.89	74.00	36.11	142	250	Vertical	
4	7386.0000	36.88	36.50	-43.46	29.92	54.00	24.08	236	138	Vertical	
5	9848.0000	38.04	38.28	-39.41	36.92	74.00	37.08	261	26	Vertical	
6	9848.5	33.33	38.29	-39.41	32.21	54.00	21.79	194	332	Vertical	

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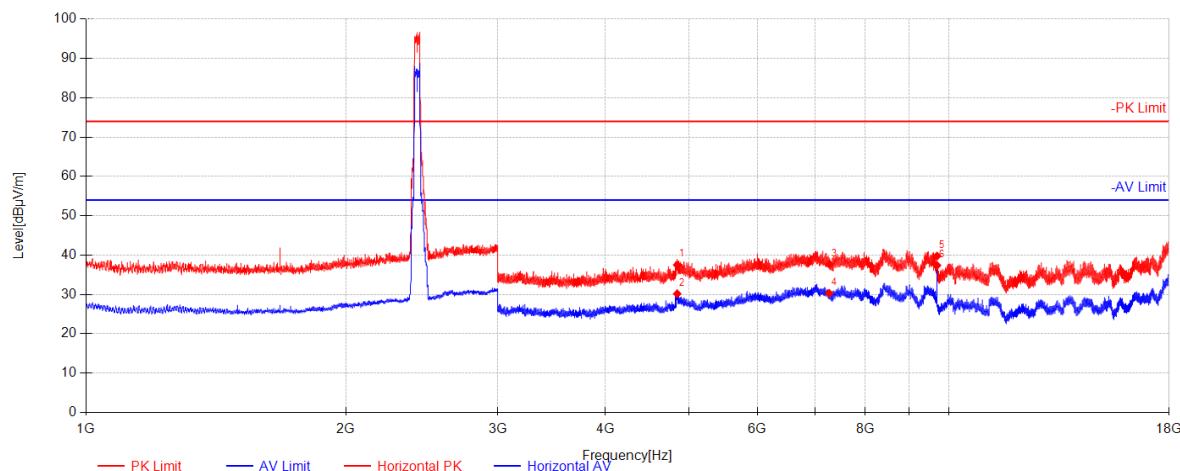
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802.11n40_Channel 03 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4844.0000	50.59	32.44	-45.54	37.50	74.00	36.50	215	28	Horizontal	
2	4844.0000	43.26	32.44	-45.54	30.17	54.00	23.83	166	277	Horizontal	
3	7266.0000	44.76	36.56	-43.64	37.69	74.00	36.31	145	332	Horizontal	
4	7266.0000	37.36	36.56	-43.64	30.29	54.00	23.71	126	138	Horizontal	
5	9688.0000	40.88	38.34	-39.47	39.76	74.00	34.24	132	249	Horizontal	
6	9688.5	38.50	38.34	-39.47	37.38	54.00	16.62	174	277	Horizontal	

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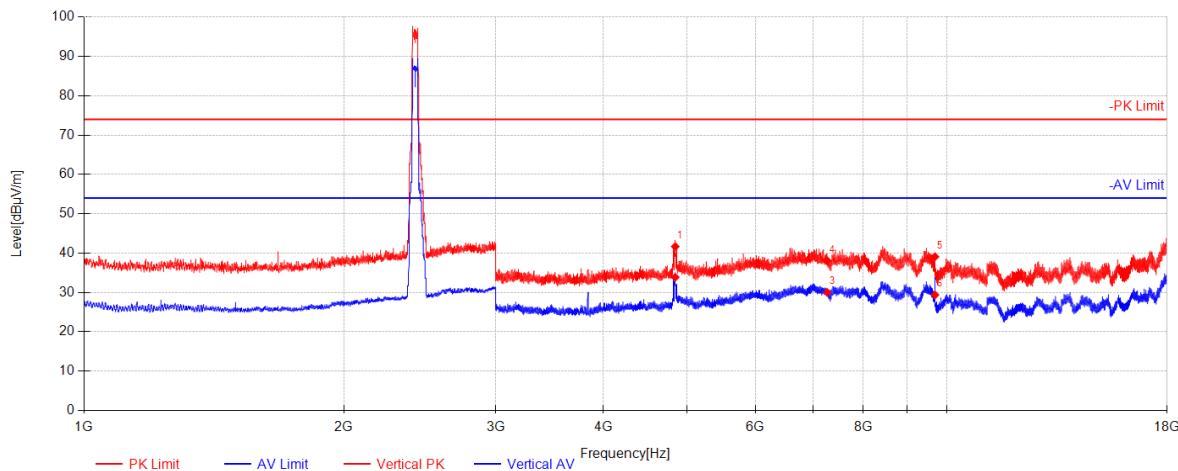
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802.11n40_Channel 03 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4844.0000	54.76	32.44	-45.54	41.67	74.00	32.33	154	356	Vertical	
2	4844.0000	46.96	32.44	-45.54	33.87	54.00	20.13	199	331	Vertical	
3	7266.0000	37.08	36.56	-43.64	30.01	54.00	23.99	145	54	Vertical	
4	7266.0000	45.14	36.56	-43.64	38.07	74.00	35.93	145	52	Vertical	
5	9688.0000	40.20	38.34	-39.47	39.08	74.00	34.92	261	54	Vertical	
6	9688.0000	30.49	38.34	-39.47	29.37	54.00	24.63	251	0	Vertical	

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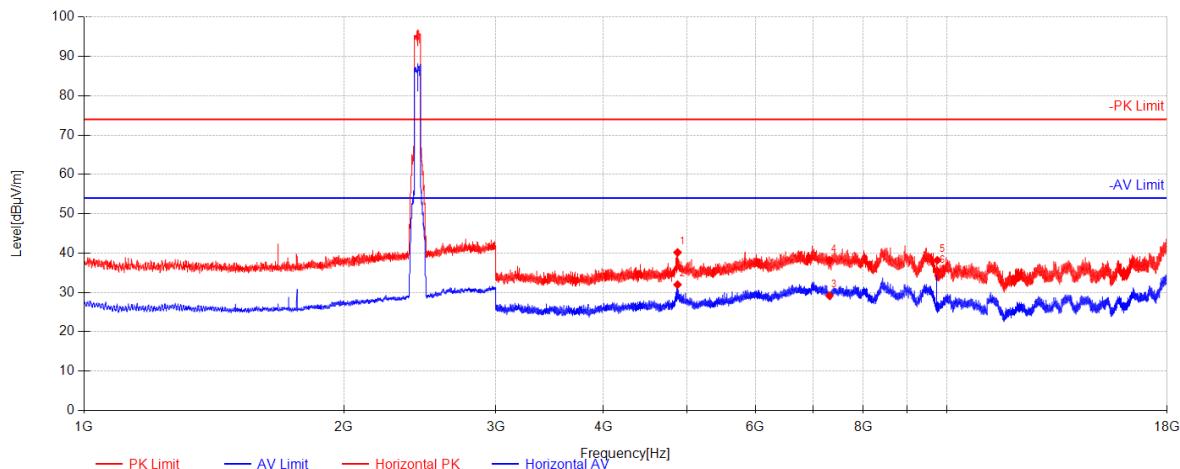


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802.11n40_Channel 06 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4874.0000	53.19	32.53	-45.53	40.18	74.00	33.82	248	53	Horizontal	
2	4874.0000	44.99	32.53	-45.53	31.98	54.00	22.02	174	278	Horizontal	
3	7311.0000	36.35	36.54	-43.71	29.18	54.00	24.82	185	109	Horizontal	
4	7311.0000	45.41	36.54	-43.71	38.24	74.00	35.76	169	7	Horizontal	
5	9748.0000	39.36	38.28	-39.46	38.18	74.00	35.82	142	250	Horizontal	
6	9748.5	36.59	38.28	-39.46	35.41	54.00	18.59	136	250	Horizontal	

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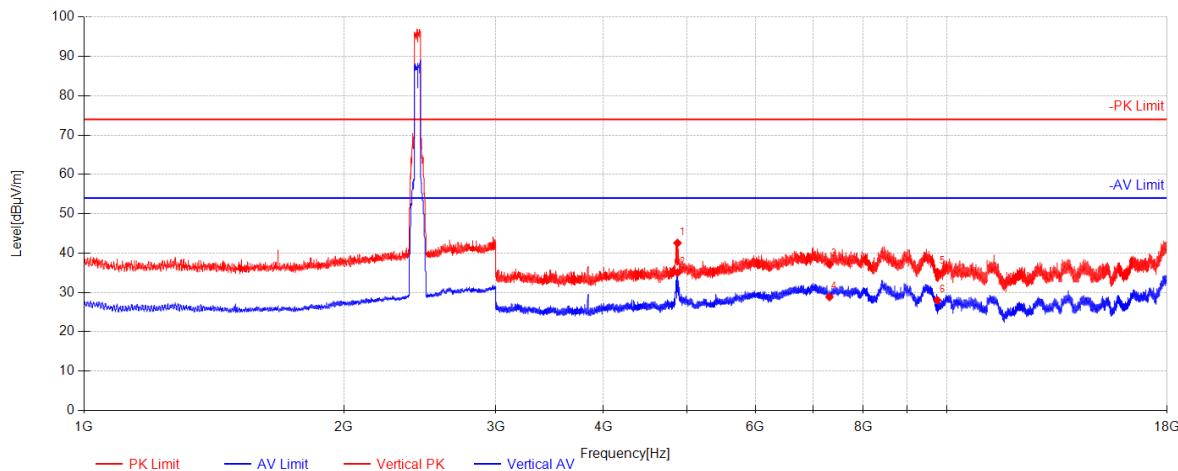
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802.11n40_Channel 06 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4874.0000	55.58	32.53	-45.53	42.57	74.00	31.43	222	1	Vertical	
2	4874.0000	48.04	32.53	-45.53	35.03	54.00	18.97	184	1	Vertical	
3	7311.0000	44.37	36.54	-43.71	37.20	74.00	36.80	136	83	Vertical	
4	7311.0000	36.01	36.54	-43.71	28.84	54.00	25.16	175	138	Vertical	
5	9748.0000	36.37	38.28	-39.46	35.19	74.00	38.81	142	331	Vertical	
6	9748.0000	29.21	38.28	-39.46	28.03	54.00	25.97	169	138	Vertical	

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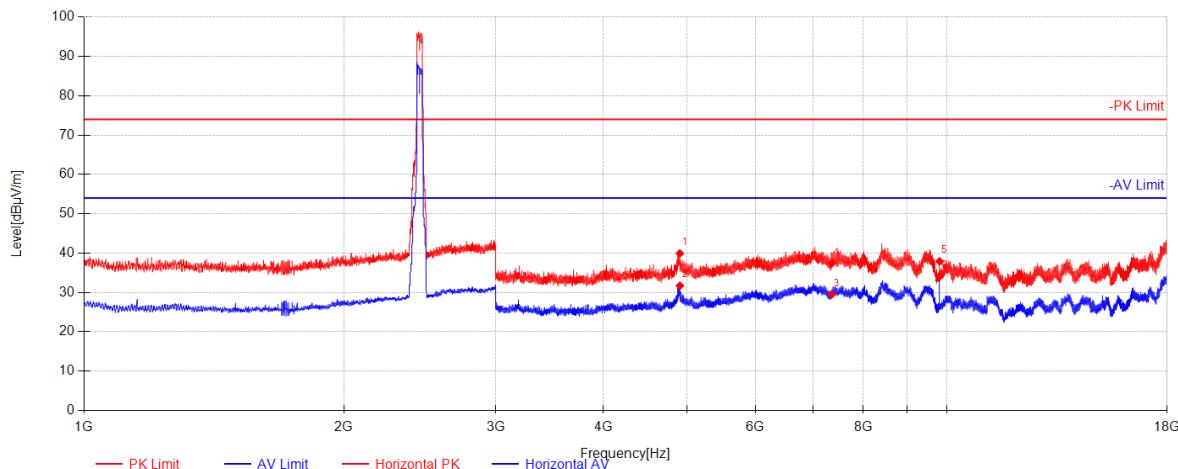
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802.11n40_Channel 09 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4904.0000	52.85	32.61	-45.53	39.93	74.00	34.07	132	278	Horizontal	
2	4904.0000	44.63	32.61	-45.53	31.71	54.00	22.29	126	277	Horizontal	
3	7356.0000	36.56	36.51	-43.56	29.51	54.00	24.49	148	140	Horizontal	
4	7356.0000	44.44	36.51	-43.56	37.39	74.00	36.61	251	139	Horizontal	
5	9808.0000	39.16	38.23	-39.47	37.92	74.00	36.08	196	166	Horizontal	
6	9808.5	35.41	38.23	-39.47	34.17	54.00	19.83	174	222	Horizontal	

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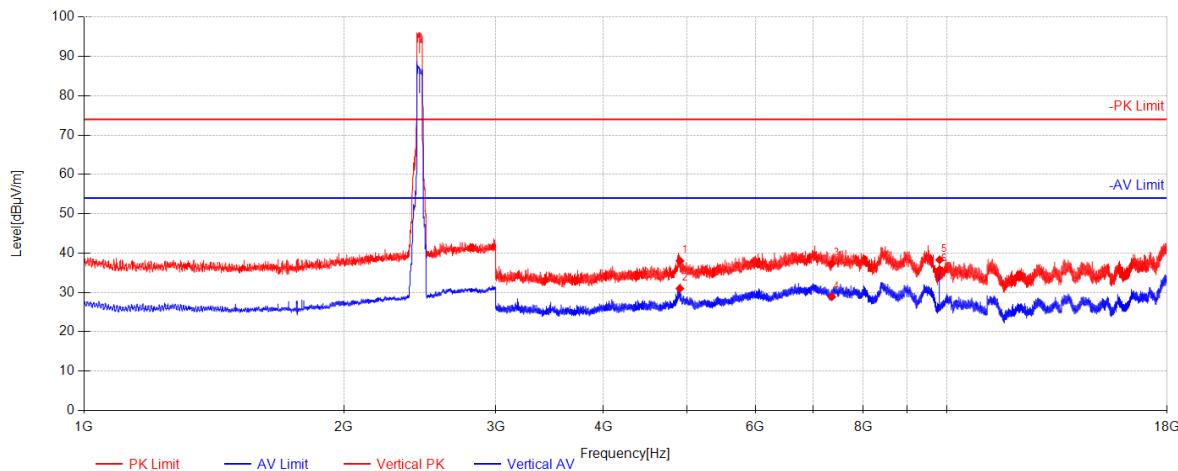
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802.11n40_Channel 09 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4904.0000	50.93	32.61	-45.53	38.01	74.00	35.99	230	250	Vertical	
2	4904.0000	43.92	32.61	-45.53	31.00	54.00	23.00	302	276	Vertical	
3	7356.0000	44.37	36.51	-43.56	37.32	74.00	36.68	148	55	Vertical	
4	7356.0000	35.96	36.51	-43.56	28.91	54.00	25.09	174	25	Vertical	
5	9808.0000	39.52	38.23	-39.47	38.28	74.00	35.72	122	250	Vertical	
6	9808.5	37.04	38.23	-39.47	35.80	54.00	18.20	169	250	Vertical	

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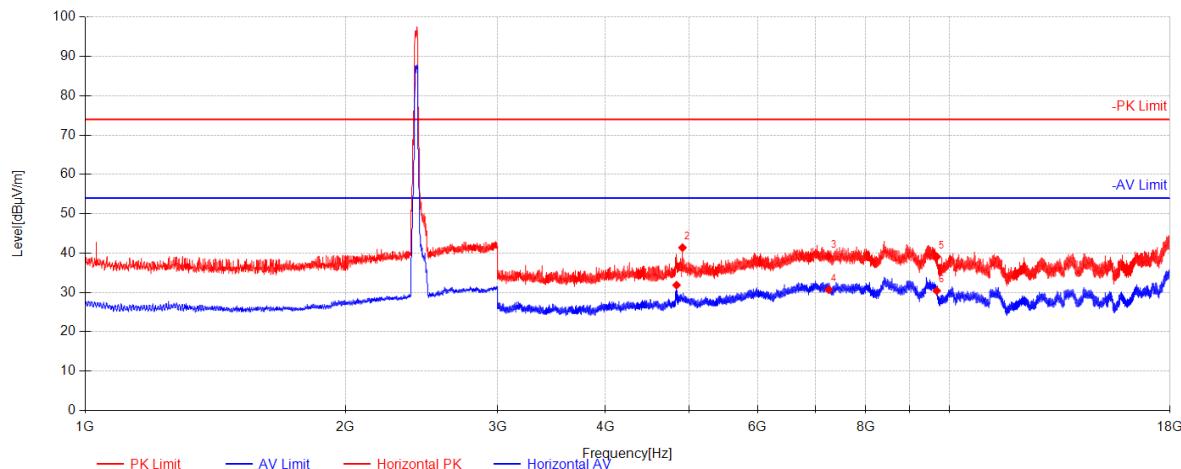
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802.11g_Channel 02 CDD



Data List											
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1	4833.5	44.98	32.41	-45.54	31.86	54.00	22.14	215	224	Horizontal	
2	4910.5	54.30	32.63	-45.54	41.39	74.00	32.61	145	167	Horizontal	
3	7251.0000	46.24	36.57	-43.59	39.22	74.00	34.78	236	110	Horizontal	
4	7251.0000	37.73	36.57	-43.59	30.71	54.00	23.29	155	166	Horizontal	
5	9668.0000	40.23	38.37	-39.51	39.08	74.00	34.92	261	166	Horizontal	
6	9668.0000	31.58	38.37	-39.51	30.43	54.00	23.57	198	250	Horizontal	

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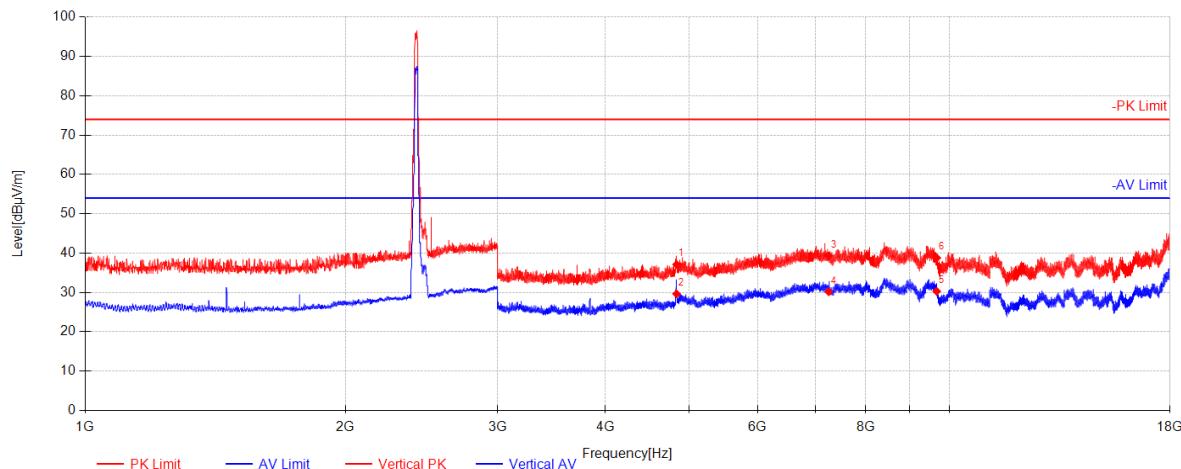
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802.11g_Channel 02 CDD



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4834.0000	50.21	32.42	-45.54	37.09	74.00	36.91	175	26	Vertical	
2	4834.0000	42.76	32.42	-45.54	29.64	54.00	24.36	145	167	Vertical	
3	7251.0000	46.32	36.57	-43.59	39.30	74.00	34.70	142	307	Vertical	
4	7251.0000	37.20	36.57	-43.59	30.18	54.00	23.82	199	359	Vertical	
5	9668.0000	31.45	38.37	-39.51	30.30	54.00	23.70	261	279	Vertical	
6	9668.0000	39.93	38.37	-39.51	38.78	74.00	35.22	263	86	Vertical	

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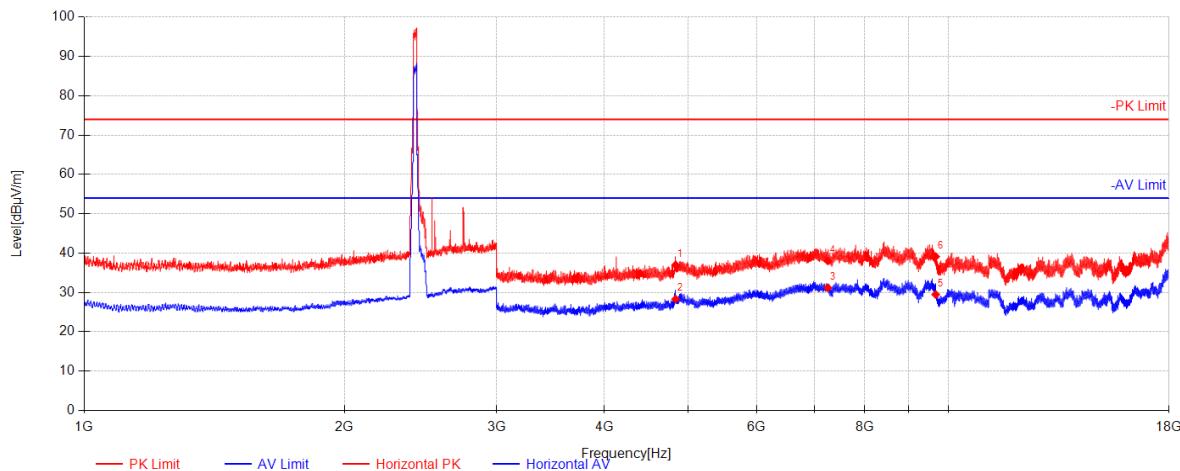
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802.11n20_Channel 02 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4834.0000	50.12	32.42	-45.54	37.00	74.00	37.00	165	4	Horizontal	
2	4834.0000	41.43	32.42	-45.54	28.31	54.00	25.69	152	249	Horizontal	
3	7251.0000	38.20	36.57	-43.59	31.18	54.00	22.82	174	224	Horizontal	
4	7251.0000	45.04	36.57	-43.59	38.02	74.00	35.98	142	224	Horizontal	
5	9668.0000	30.62	38.37	-39.51	29.47	54.00	24.53	199	169	Horizontal	
6	9668.0000	40.27	38.37	-39.51	39.12	74.00	34.88	132	354	Horizontal	

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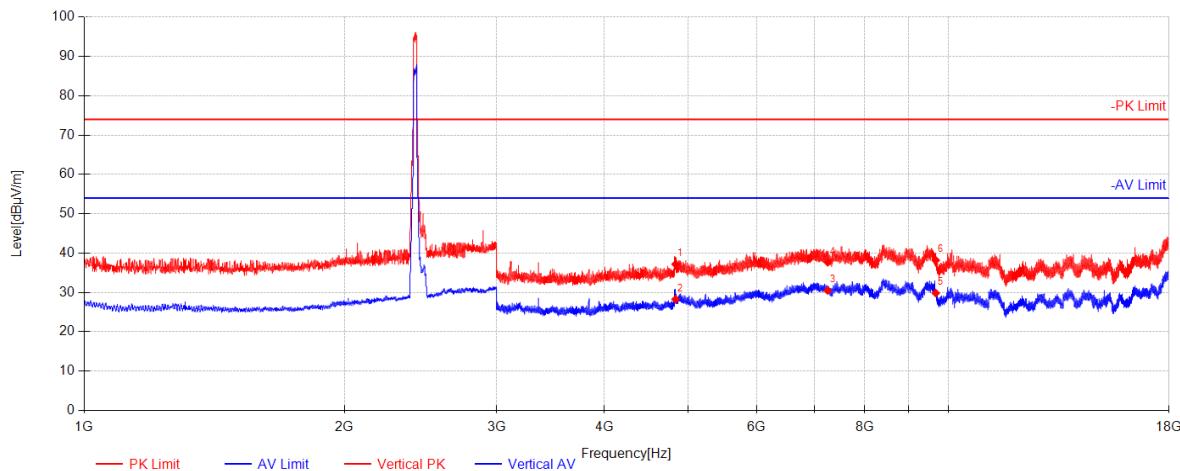
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802.11n20_Channel 02 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4834.0000	50.29	32.42	-45.54	37.17	74.00	36.83	125	194	Vertical	
2	4834.0000	41.39	32.42	-45.54	28.27	54.00	25.73	163	250	Vertical	
3	7251.0000	37.52	36.57	-43.59	30.50	54.00	23.50	175	194	Vertical	
4	7251.0000	44.70	36.57	-43.59	37.68	74.00	36.32	261	250	Vertical	
5	9668.0000	31.00	38.37	-39.51	29.85	54.00	24.15	184	359	Vertical	
6	9668.0000	39.33	38.37	-39.51	38.18	74.00	35.82	133	252	Vertical	

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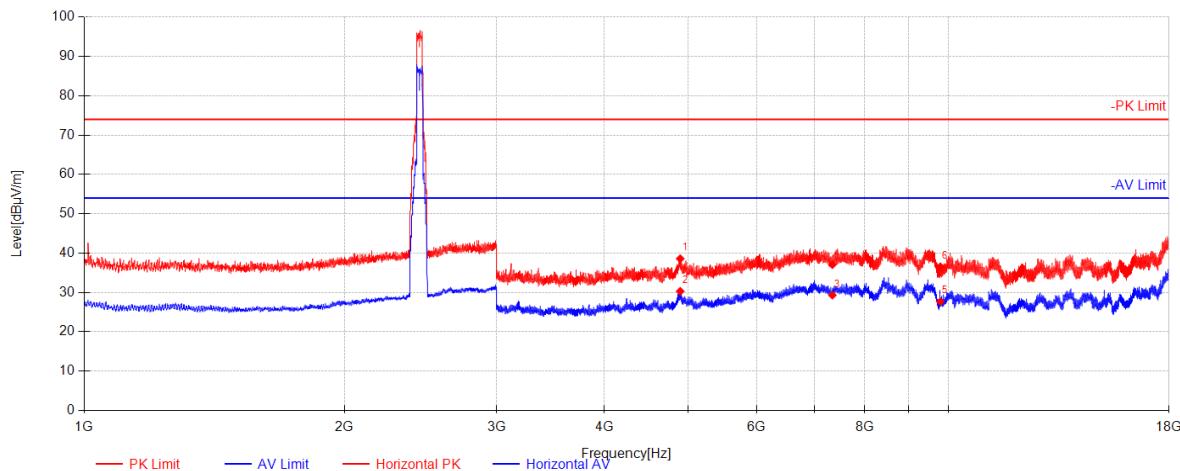
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802.11n40_Channel 08 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4894.0000	51.54	32.58	-45.53	38.59	74.00	35.41	184	360	Horizontal	
2	4894.0000	43.25	32.58	-45.53	30.30	54.00	23.70	145	4	Horizontal	
3	7341.0000	36.40	36.52	-43.61	29.31	54.00	24.69	261	360	Horizontal	
4	7341.0000	44.17	36.52	-43.61	37.08	74.00	36.92	165	353	Horizontal	
5	9788.0000	28.91	38.23	-39.48	27.67	54.00	26.33	133	334	Horizontal	
6	9788.0000	37.76	38.23	-39.48	36.52	74.00	37.48	152	26	Horizontal	

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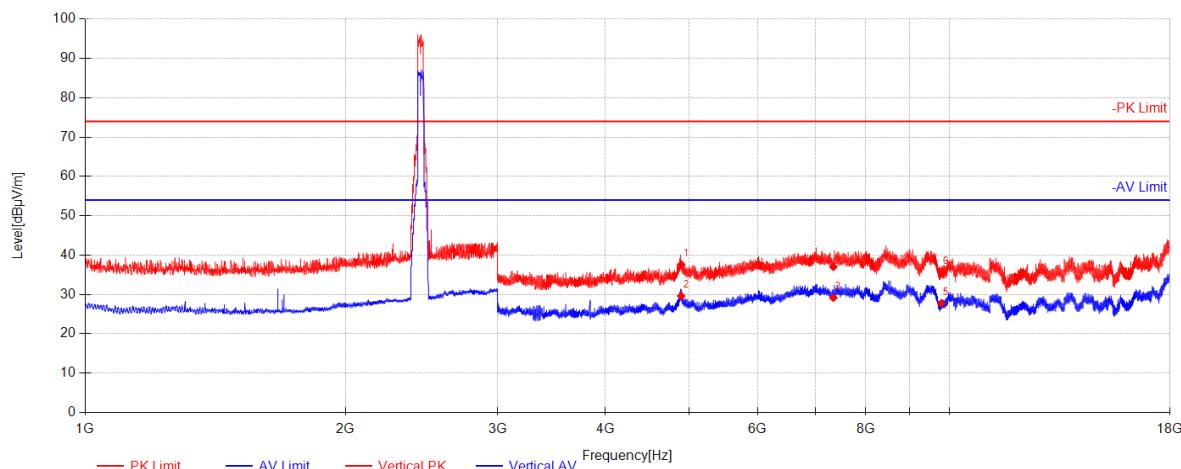
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802.11n40_Channel 08 MIMO



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4894.0000	50.55	32.58	-45.53	37.60	74.00	36.40	168	306	Vertical	
2	4894.0000	42.57	32.58	-45.53	29.62	54.00	24.38	142	168	Vertical	
3	7341.0000	36.25	36.52	-43.61	29.16	54.00	24.84	261	139	Vertical	
4	7341.0000	44.10	36.52	-43.61	37.01	74.00	36.99	133	110	Vertical	
5	9788.0000	28.99	38.23	-39.48	27.75	54.00	26.25	196	359	Vertical	
6	9788.0000	36.80	38.23	-39.48	35.56	74.00	38.44	154	54	Vertical	

Remark:

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

$$\text{Level} = \text{Reading}(\text{dB}\mu\text{V}) + \text{AF}(\text{dB}/\text{m}) + \text{Factor}(\text{dB})$$

$$\text{AF} = \text{Antenna Factor}(\text{dB}/\text{m})$$

$$\text{Factor} = \text{Cable Factor}(\text{dB}) - \text{Preamplifier gain}(\text{dB})$$

$$\text{Margin} = \text{Limit}(\text{dB}\mu\text{V}/\text{m}) - \text{Level}(\text{dB}\mu\text{V}/\text{m})$$
- 2) All channels have been tested, but only the worst case data displayed in this report.

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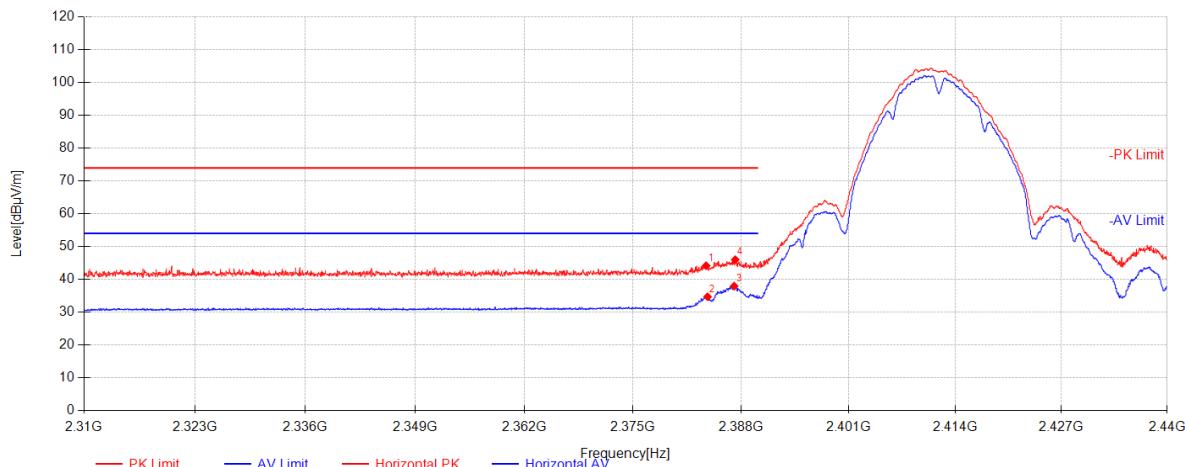


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Restricted bands around fundamental frequency

802.11b_Channel 01 CDD



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2383.7967	40.30	27.43	-23.57	44.16	74.00	29.84	126	99	Horizontal	
2	2383.97	30.82	27.43	-23.57	34.68	54.00	19.32	126	99	Horizontal	
3	2387.1767	34.07	27.43	-23.57	37.93	54.00	16.07	126	99	Horizontal	
4	2387.3067	42.14	27.43	-23.57	46.00	74.00	28.00	126	99	Horizontal	

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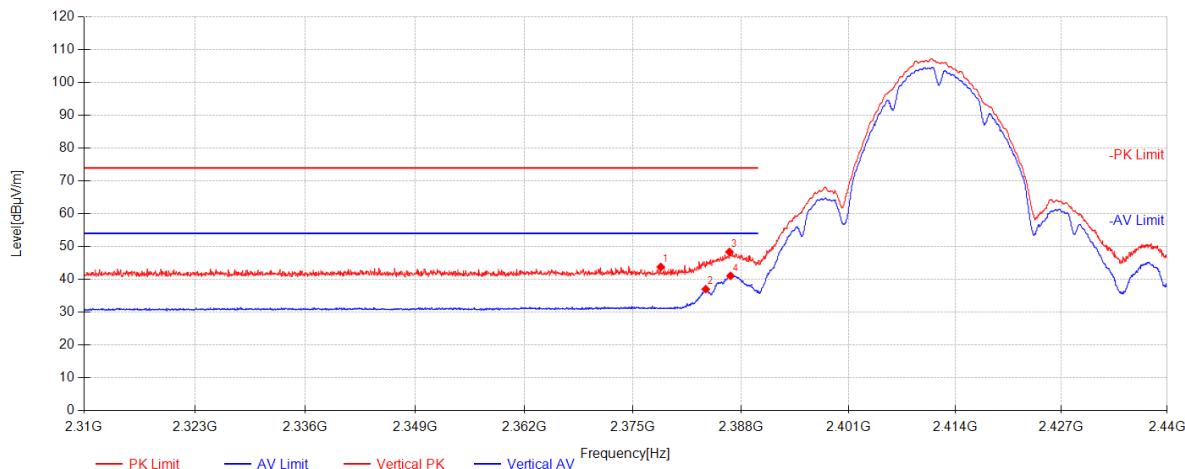
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802.11b_Channel 01 CDD



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2378.3367	39.92	27.43	-23.57	43.78	74.00	30.22	145	338	Vertical	
2	2383.7533	33.15	27.43	-23.57	37.01	54.00	16.99	145	338	Vertical	
3	2386.6133	44.49	27.43	-23.57	48.35	74.00	25.65	145	338	Vertical	
4	2386.7433	37.21	27.43	-23.57	41.07	54.00	12.93	145	338	Vertical	

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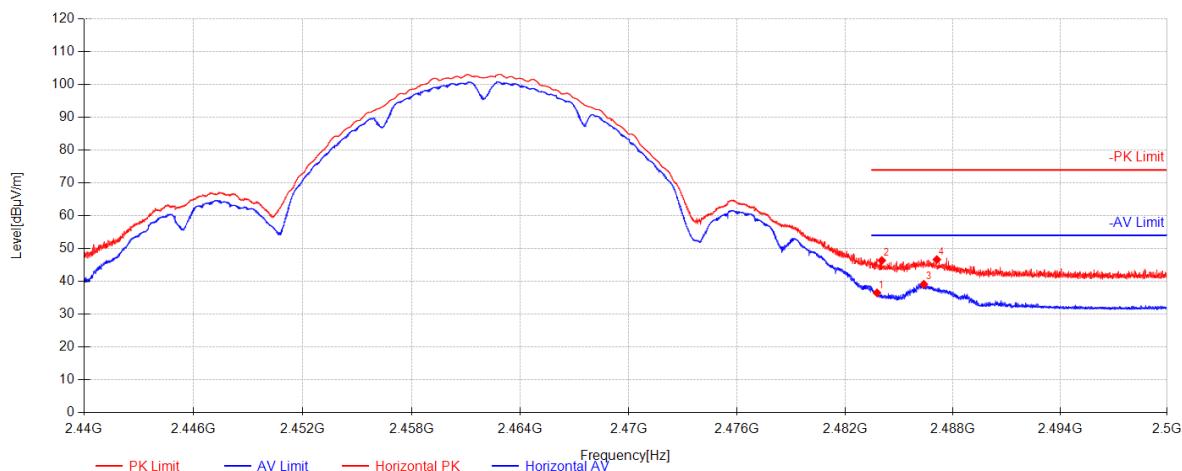


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802.11b_Channel 11 CDD



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2483.785	32.31	27.72	-23.54	36.48	54.00	17.52	222	100	Horizontal	
2	2484.055	42.20	27.72	-23.54	46.37	74.00	27.63	222	100	Horizontal	
3	2486.395	34.92	27.73	-23.54	39.10	54.00	14.90	222	100	Horizontal	
4	2487.1225	42.48	27.73	-23.54	46.66	74.00	27.34	222	100	Horizontal	

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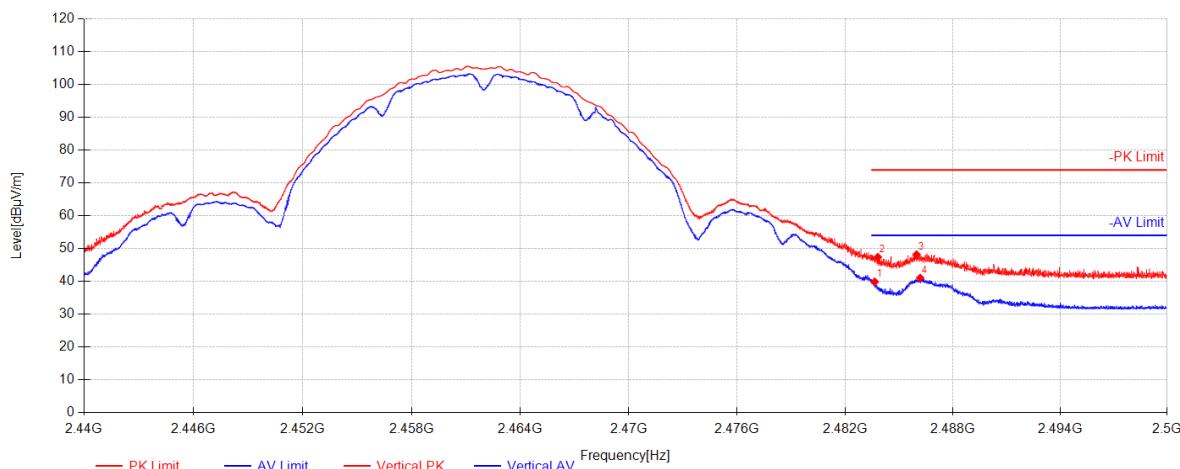


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802.11b_Channel 11 CDD



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2483.6575	35.69	27.72	-23.54	39.86	54.00	14.14	188	319	Vertical	
2	2483.83	43.21	27.72	-23.54	47.38	74.00	26.62	188	319	Vertical	
3	2485.99	43.97	27.72	-23.54	48.15	74.00	25.85	188	319	Vertical	
4	2486.1925	36.84	27.72	-23.54	41.02	54.00	12.98	188	319	Vertical	

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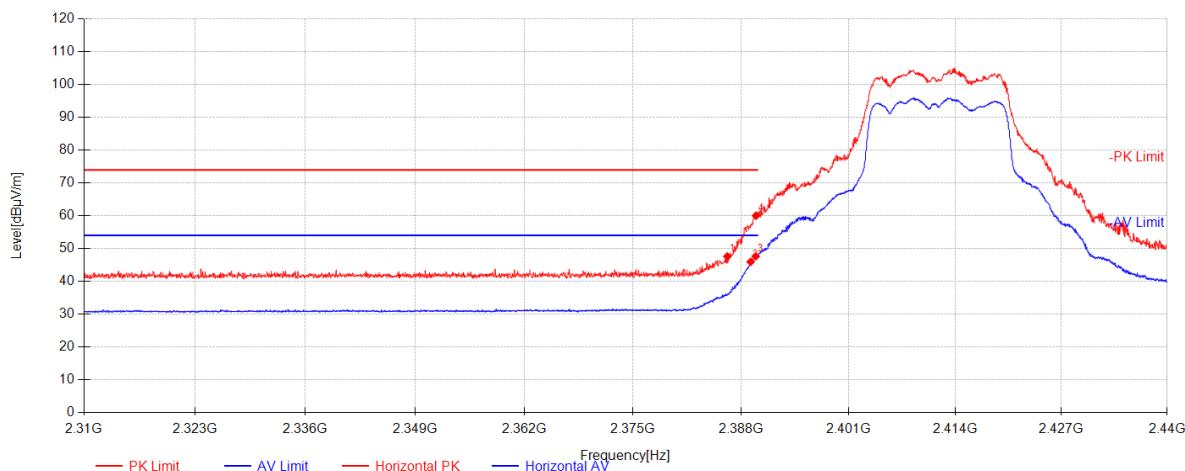


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802.11g_Channel 01 CDD



Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2386.3533	43.71	27.43	-23.57	47.57	74.00	26.43	211	30	Horizontal	
2	2389.17	42.07	27.43	-23.57	45.93	54.00	8.07	211	30	Horizontal	
3	2389.7767	43.76	27.43	-23.57	47.62	54.00	6.38	211	30	Horizontal	
4	2389.82	56.17	27.43	-23.57	60.03	74.00	13.97	211	30	Horizontal	

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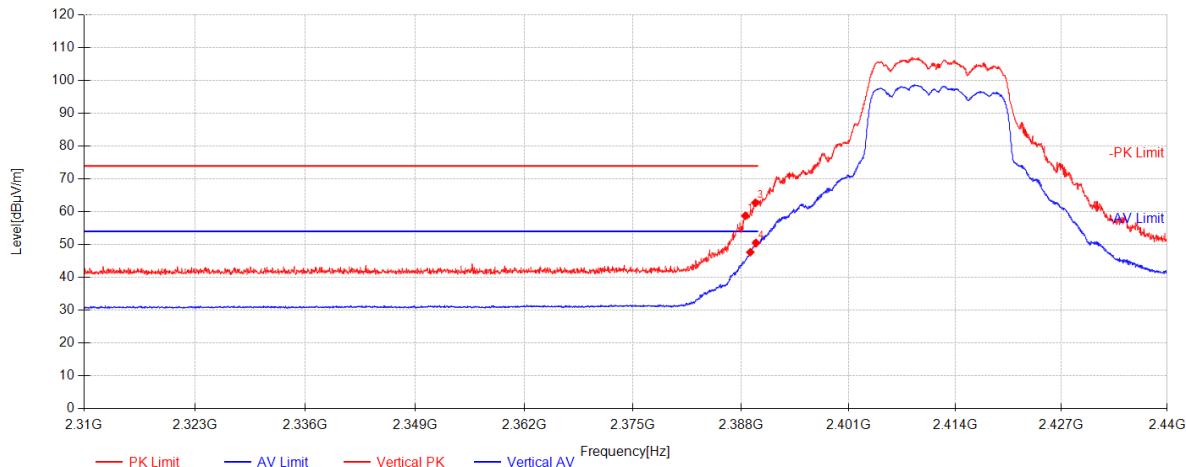
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Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.52	54.91	27.43	-23.57	58.77	74.00	15.23	177	230	Vertical
2	2389.1267	43.80	27.43	-23.57	47.66	54.00	6.34	177	230	Vertical
3	2389.7333	58.87	27.43	-23.57	62.73	74.00	11.27	177	230	Vertical
4	2389.82	46.65	27.43	-23.57	50.51	54.00	3.49	177	230	Vertical

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