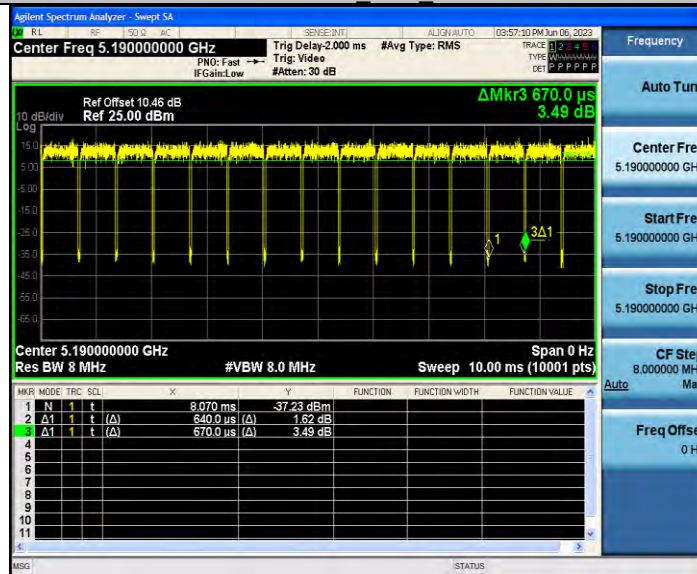
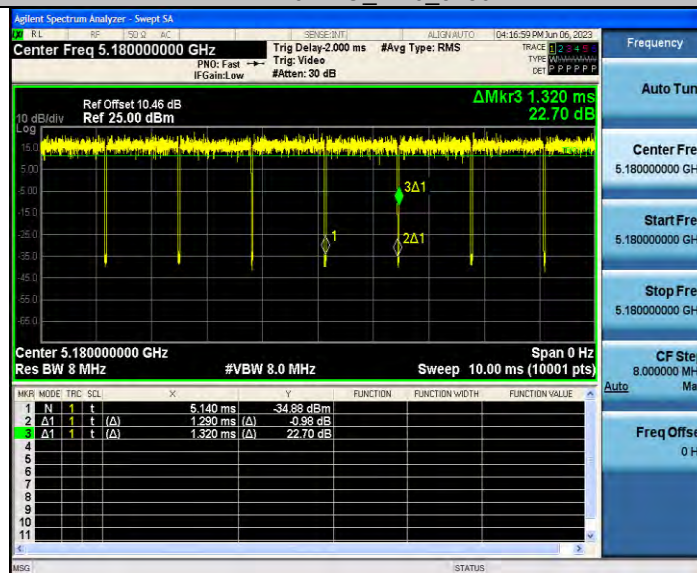


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11n40SISO_Ant0_5190



11ac20SISO_Ant0_5180



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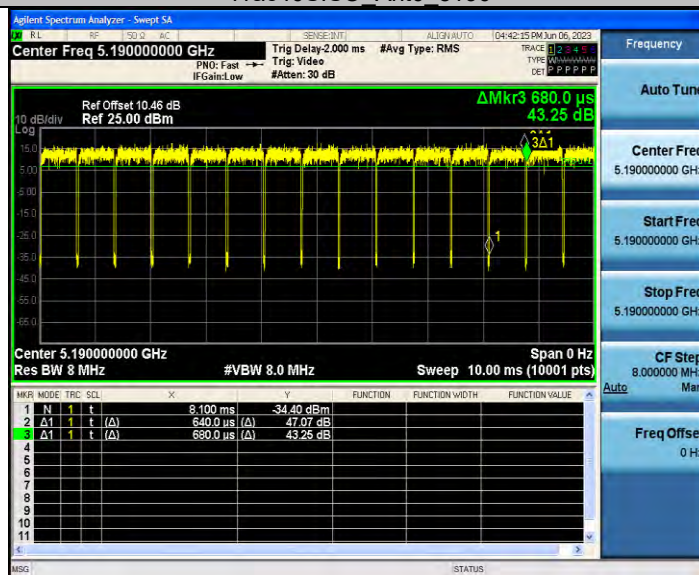
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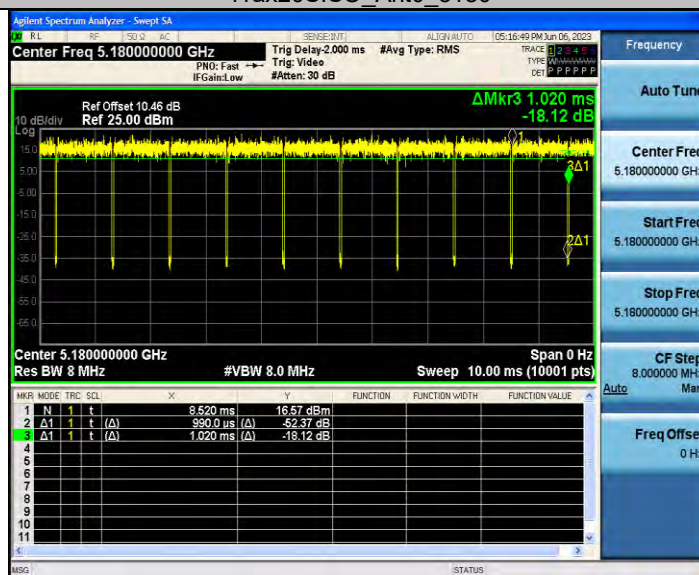
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11ac40SISO_Ant0_5190



11ax20SISO_Ant0_5180



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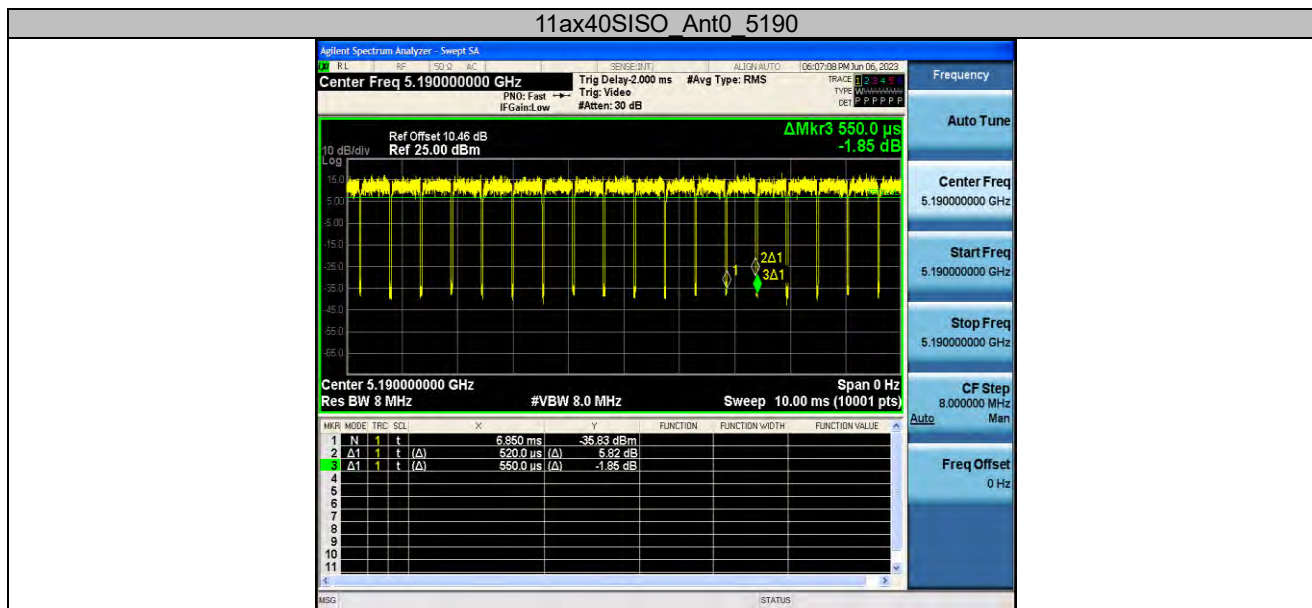
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Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Limit [dBm]	Verdict
11a	Ant0	5180	15.51	≤23.98	PASS
		5200	15.38	≤23.98	PASS
		5240	15.15	≤23.98	PASS
		5260	15.07	≤23.98	PASS
		5280	15.01	≤23.98	PASS
		5320	14.95	≤23.98	PASS
		5500	18.08	≤23.98	PASS
		5580	17.74	≤23.98	PASS
		5700	17.23	≤23.98	PASS
		5745	16.62	≤30.00	PASS
		5785	16.46	≤30.00	PASS
		5825	16.25	≤30.00	PASS
11n20SISO	Ant0	5180	15.00	≤23.98	PASS
		5200	14.52	≤23.98	PASS
		5240	14.68	≤23.98	PASS
		5260	14.73	≤23.98	PASS
		5280	14.70	≤23.98	PASS
		5320	14.68	≤23.98	PASS
		5500	17.76	≤23.98	PASS
		5580	17.48	≤23.98	PASS
		5700	16.97	≤23.98	PASS
		5745	16.42	≤30.00	PASS
		5785	16.22	≤30.00	PASS
		5825	16.02	≤30.00	PASS
11n40SISO	Ant0	5190	14.58	≤23.98	PASS
		5230	14.35	≤23.98	PASS
		5270	14.25	≤23.98	PASS
		5310	14.22	≤23.98	PASS
		5510	17.85	≤23.98	PASS
		5550	17.68	≤23.98	PASS
		5670	17.18	≤23.98	PASS
		5755	16.01	≤30.00	PASS
		5795	15.80	≤30.00	PASS
11ac20SISO	Ant0	5180	15.02	≤23.98	PASS
		5200	14.68	≤23.98	PASS
		5240	14.76	≤23.98	PASS
		5260	14.78	≤23.98	PASS
		5280	14.74	≤23.98	PASS
		5320	14.75	≤23.98	PASS
		5500	17.88	≤23.98	PASS
		5580	17.60	≤23.98	PASS
		5700	17.13	≤23.98	PASS
		5745	16.52	≤30.00	PASS
		5785	16.35	≤30.00	PASS
		5825	16.05	≤30.00	PASS
11ac40SISO	Ant0	5190	14.66	≤23.98	PASS
		5230	14.43	≤23.98	PASS
		5270	14.36	≤23.98	PASS



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		5310	14.33	≤23.98	PASS
		5510	17.98	≤23.98	PASS
		5550	17.78	≤23.98	PASS
		5670	17.27	≤23.98	PASS
		5755	16.11	≤30.00	PASS
		5795	15.92	≤30.00	PASS
11ax20SISO	Ant0	5180	15.11	≤23.98	PASS
		5200	14.96	≤23.98	PASS
		5240	14.75	≤23.98	PASS
		5260	14.62	≤23.98	PASS
		5280	14.62	≤23.98	PASS
		5320	14.61	≤23.98	PASS
		5500	17.71	≤23.98	PASS
		5580	17.32	≤23.98	PASS
		5700	17.05	≤23.98	PASS
		5745	16.42	≤30.00	PASS
		5785	16.24	≤30.00	PASS
		5825	16.01	≤30.00	PASS
11ax40SISO	Ant0	5190	14.61	≤23.98	PASS
		5230	14.35	≤23.98	PASS
		5270	14.26	≤23.98	PASS
		5310	14.21	≤23.98	PASS
		5510	17.72	≤23.98	PASS
		5550	17.62	≤23.98	PASS
		5670	17.22	≤23.98	PASS
		5755	16.01	≤30.00	PASS
		5795	15.83	≤30.00	PASS



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Maximum power spectral density Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11a	Ant0	5180	4.46	≤11.00	PASS
		5200	3.62	≤11.00	PASS
		5240	4.16	≤11.00	PASS
		5260	3.83	≤11.00	PASS
		5280	4.25	≤11.00	PASS
		5320	5.16	≤11.00	PASS
		5500	8.62	≤11.00	PASS
		5580	7.35	≤11.00	PASS
		5700	7.48	≤11.00	PASS
		5745	5.27	≤30.00	PASS
		5785	5.12	≤30.00	PASS
		5825	5.15	≤30.00	PASS
11n20SISO	Ant0	5180	3.69	≤11.00	PASS
		5200	3.05	≤11.00	PASS
		5240	3.45	≤11.00	PASS
		5260	3.67	≤11.00	PASS
		5280	4.24	≤11.00	PASS
		5320	4.62	≤11.00	PASS
		5500	8.17	≤11.00	PASS
		5580	7.27	≤11.00	PASS
		5700	7.09	≤11.00	PASS
		5745	5.54	≤30.00	PASS
		5785	5.21	≤30.00	PASS
		5825	4.9	≤30.00	PASS
11n40SISO	Ant0	5190	0.36	≤11.00	PASS
		5230	0.54	≤11.00	PASS
		5270	0.68	≤11.00	PASS
		5310	1.11	≤11.00	PASS
		5510	4.9	≤11.00	PASS
		5550	4.43	≤11.00	PASS
		5670	3.8	≤11.00	PASS
		5755	2.07	≤30.00	PASS
		5795	1.9	≤30.00	PASS
11ac20SISO	Ant0	5180	3.74	≤11.00	PASS
		5200	2.93	≤11.00	PASS
		5240	3.88	≤11.00	PASS
		5260	3.95	≤11.00	PASS
		5280	4.35	≤11.00	PASS
		5320	4.78	≤11.00	PASS
		5500	8.2	≤11.00	PASS
		5580	7.08	≤11.00	PASS
		5700	7.16	≤11.00	PASS
		5745	5.28	≤30.00	PASS
		5785	5.14	≤30.00	PASS
		5825	4.73	≤30.00	PASS
11ac40SISO	Ant0	5190	0.65	≤11.00	PASS
		5230	0.49	≤11.00	PASS
		5270	0.95	≤11.00	PASS
		5310	1.39	≤11.00	PASS



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		5510	5.02	≤11.00	PASS
		5550	4.53	≤11.00	PASS
		5670	4.02	≤11.00	PASS
		5755	1.77	≤30.00	PASS
		5795	1.83	≤30.00	PASS
11ax20SISO	Ant0	5180	3.61	≤11.00	PASS
		5200	2.9	≤11.00	PASS
		5240	3.5	≤11.00	PASS
		5260	3.46	≤11.00	PASS
		5280	3.8	≤11.00	PASS
		5320	4.42	≤11.00	PASS
		5500	7.8	≤11.00	PASS
		5580	6.68	≤11.00	PASS
		5700	6.59	≤11.00	PASS
		5745	4.67	≤30.00	PASS
		5785	4.88	≤30.00	PASS
		5825	4.32	≤30.00	PASS
11ax40SISO	Ant0	5190	0.08	≤11.00	PASS
		5230	-0.41	≤11.00	PASS
		5270	0.94	≤11.00	PASS
		5310	0.93	≤11.00	PASS
		5510	4.57	≤11.00	PASS
		5550	3.96	≤11.00	PASS
		5670	3.98	≤11.00	PASS
		5755	1.43	≤30.00	PASS
		5795	1.92	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



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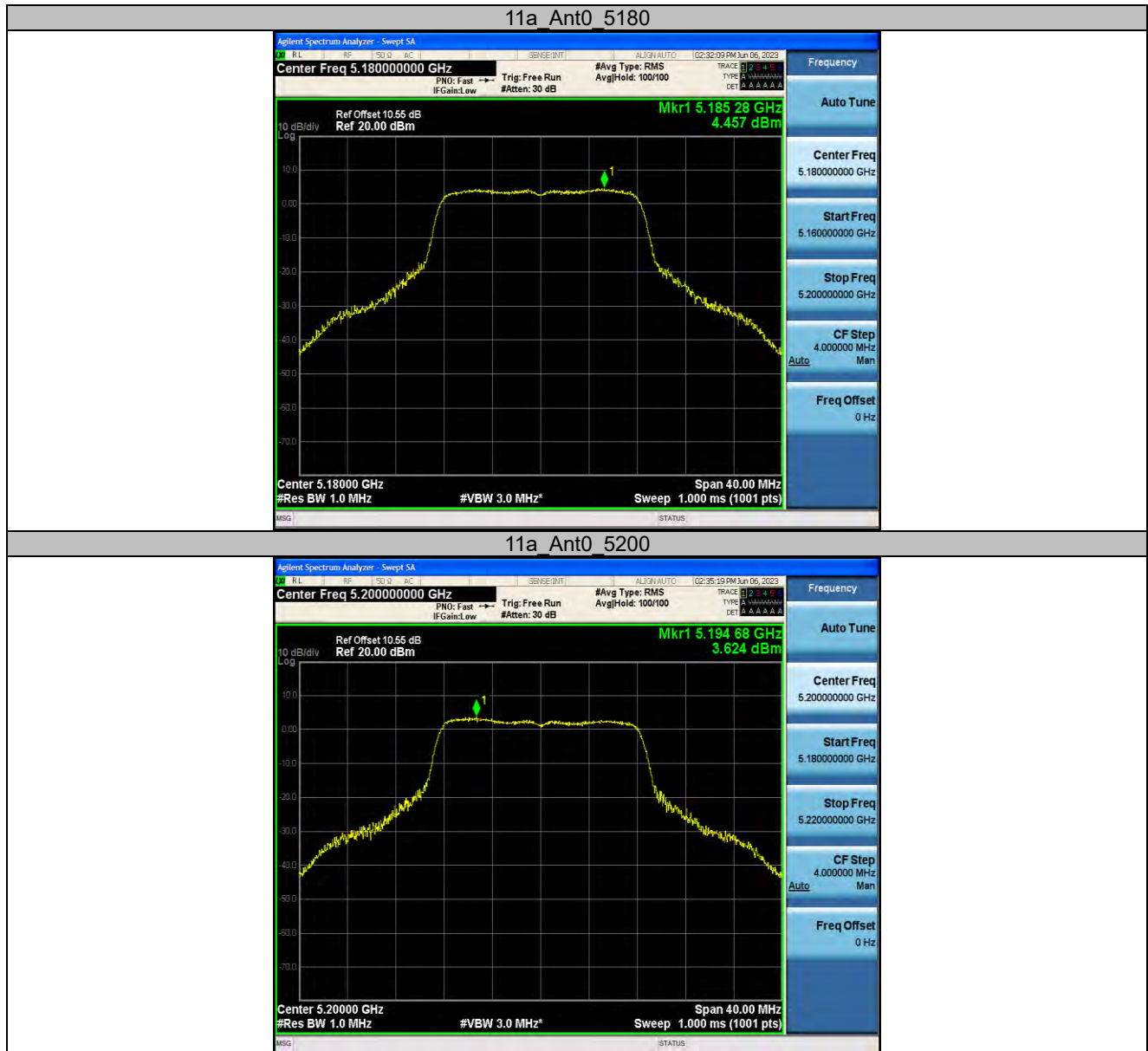
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Test Graphs



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11a_Ant0_5240



11a_Ant0_5260



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11ax40SISO_Ant0_5190



11ax40SISO_Ant0_5230



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11ax40SISO Ant0 5270



11ax40SISO Ant0 5310



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11ax40SISO_Ant0_5510



11ax40SISO_Ant0_5550



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DFS Detection Thresholds Test Result

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11ac40SISO	5510	Type0	-61.11	-61.10	PASS



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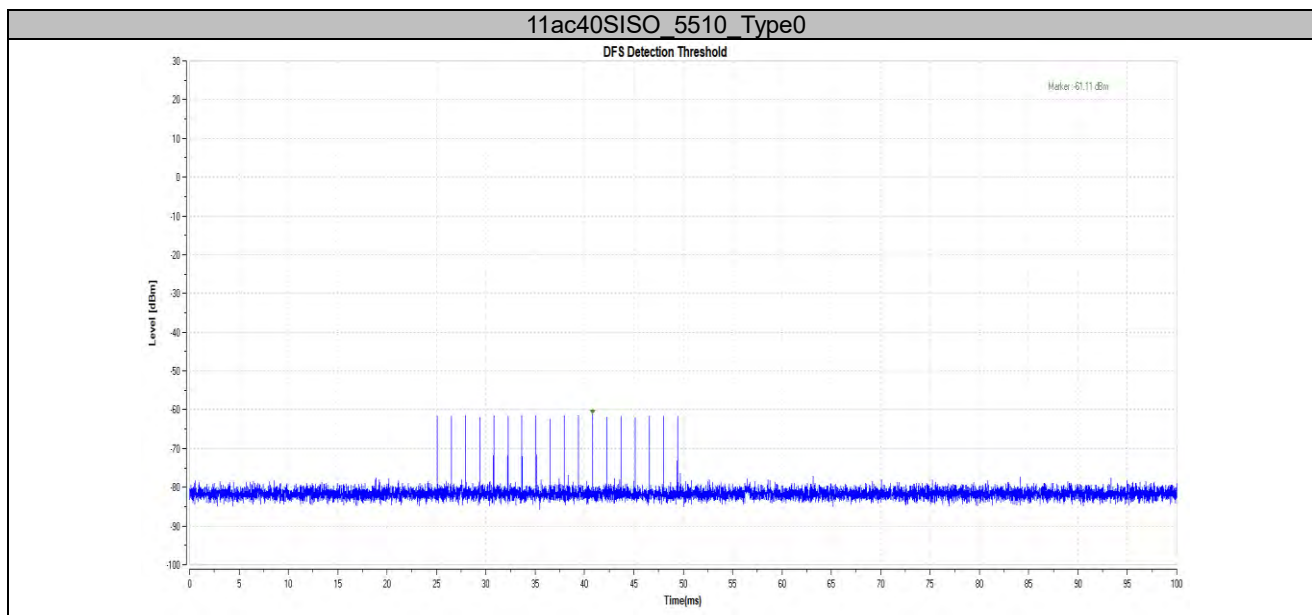
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Test Graphs



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Channel Move Time and Channel Closing Transmission Time Test Result

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11ac40SISO	5510	200+48.1	200+60	660.1	10000	PASS



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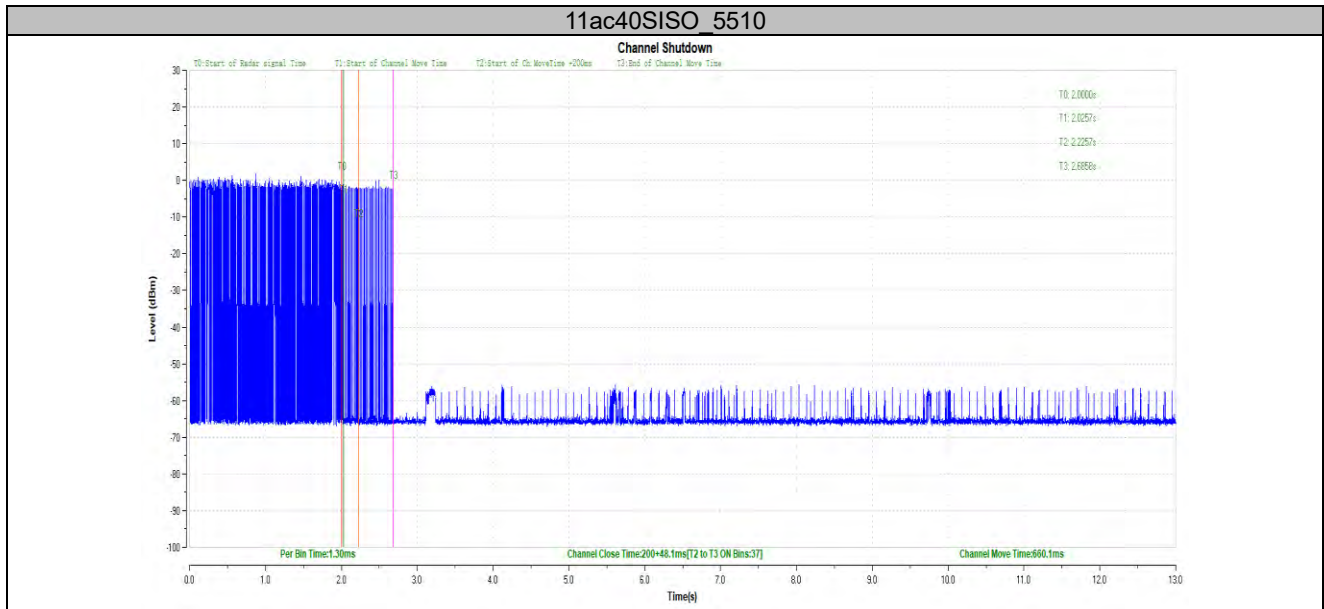
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Test Graphs



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Non-Occupancy Period

Test Result

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11ac40SISO	5510	see test graph	≥1800	PASS



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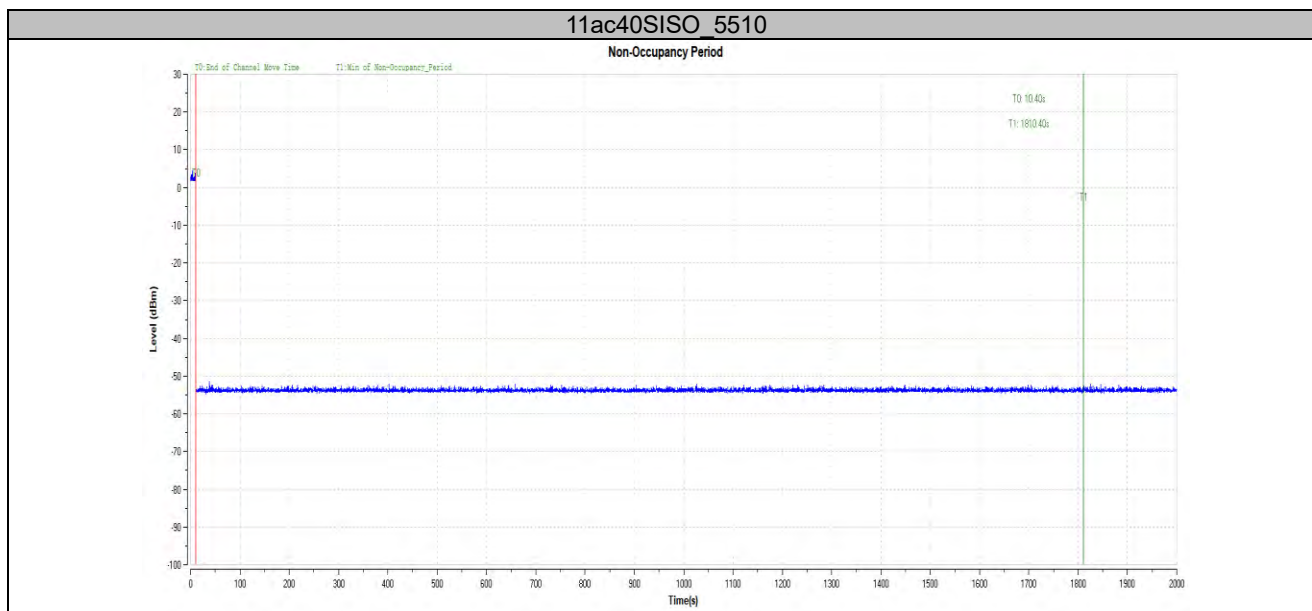
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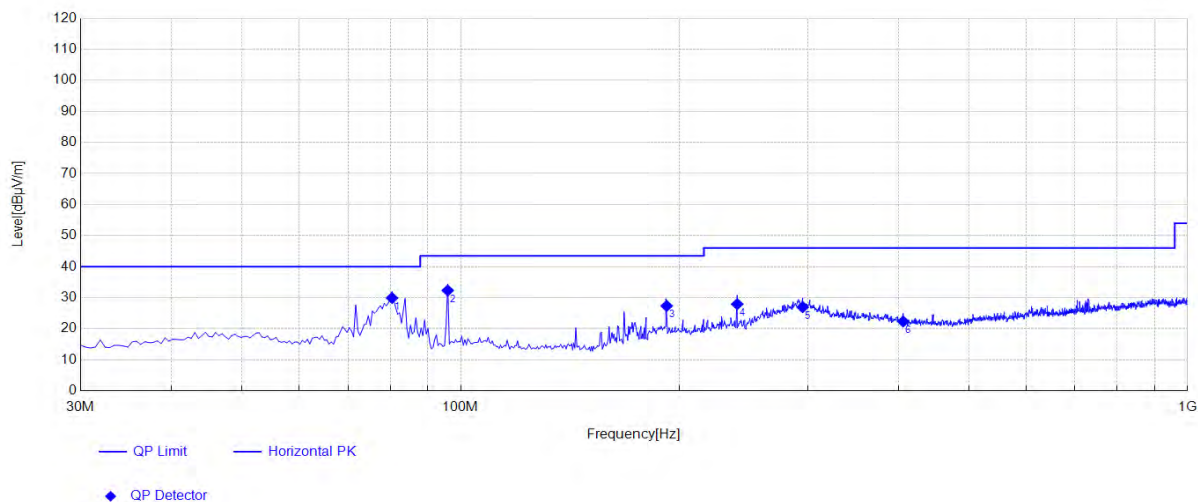
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Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 802.11ac20_Channel 165

Data List										
NO.	Freq. [MHz]	AF[dB/m]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	80.4652	7.25	-27.25	49.92	29.92	40.00	10.08	328	315	Horizontal
2	95.993	10.80	-27.32	48.85	32.33	43.50	11.17	165	327	Horizontal
3	192.071	10.47	-26.62	43.52	27.37	43.50	16.13	306	297	Horizontal
4	240.1101	12.50	-26.29	41.72	27.93	46.00	18.07	201	330	Horizontal
5	295.4277	13.38	-25.78	39.35	26.95	46.00	19.05	215	264	Horizontal
6	406.063	15.59	-25.60	32.38	22.37	46.00	23.63	266	67	Horizontal



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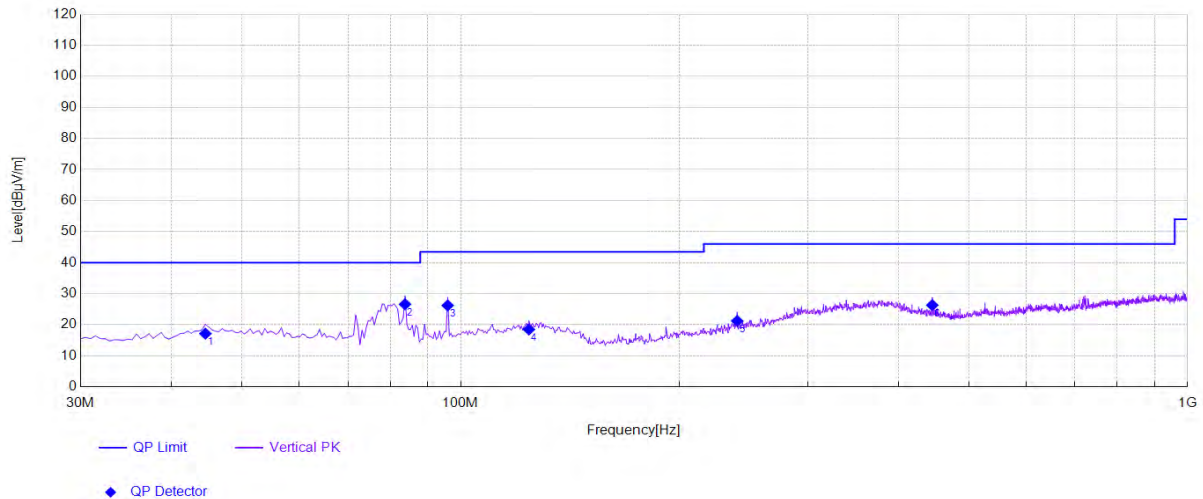
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1	44.5573	13.86	-27.85	31.14	17.15	40.00	22.85	198	129	Vertical
2	83.8619	8.34	-27.38	45.65	26.61	40.00	13.39	224	230	Vertical
3	95.993	10.80	-27.32	42.75	26.23	43.50	17.27	377	207	Vertical
4	124.1371	8.70	-27.07	36.88	18.51	43.50	24.99	261	162	Vertical
5	240.1101	12.50	-26.29	35.03	21.24	46.00	24.76	251	260	Vertical
6	445.3677	16.12	-25.26	35.46	26.32	46.00	19.68	215	66	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
Value = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m) – Value(dBμV/m)
- All channels have been tested, but only the worst case data displayed in this report.



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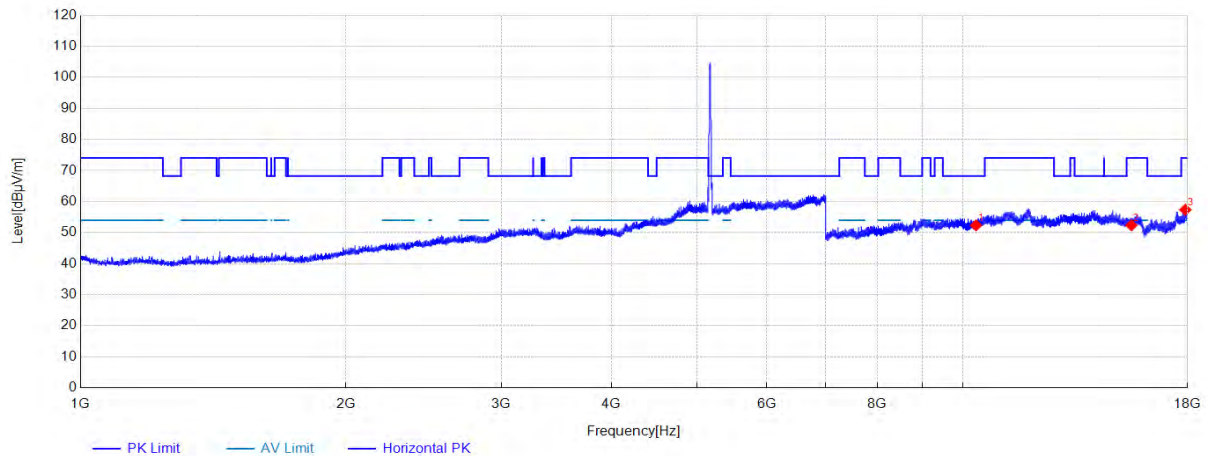
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Transmitter emission Above 1GHz

802.11a_Channel 36



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	10360	54.50	38.64	-40.81	52.33	68.20	15.87	236	153	Horizontal
2	15540	51.72	39.14	-38.52	52.34	74.00	21.66	332	223	Horizontal
3	17892.6357	57.65	42.14	-42.43	57.36	74.00	16.64	298	267	Horizontal



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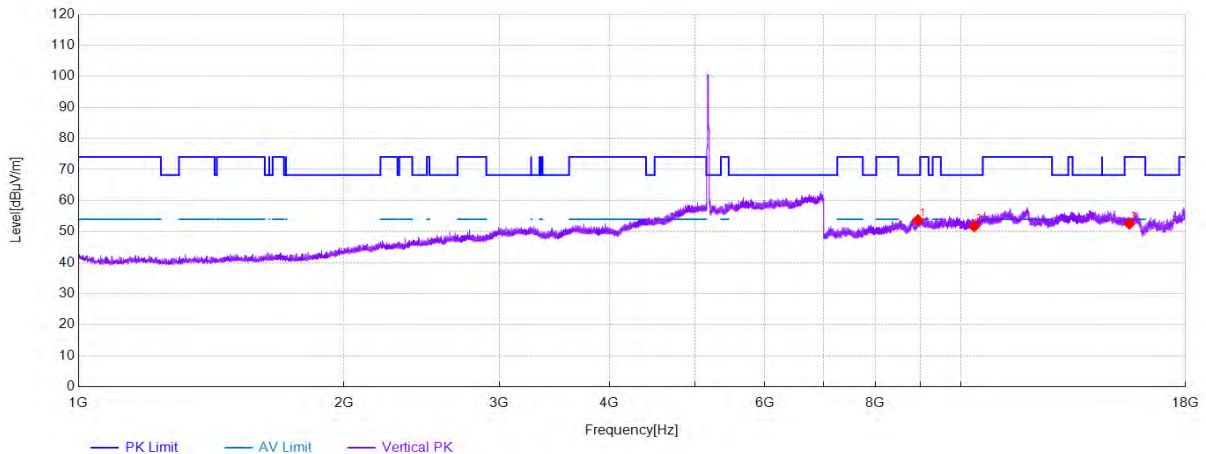
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802.11a_Channel 36



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	8947.0779	56.73	38.49	-41.50	53.72	68.20	14.48	244	61	Vertical
2	10360	53.85	38.64	-40.81	51.68	68.20	16.52	217	95	Vertical
3	15540	51.89	39.14	-38.52	52.51	74.00	21.49	178	207	Vertical



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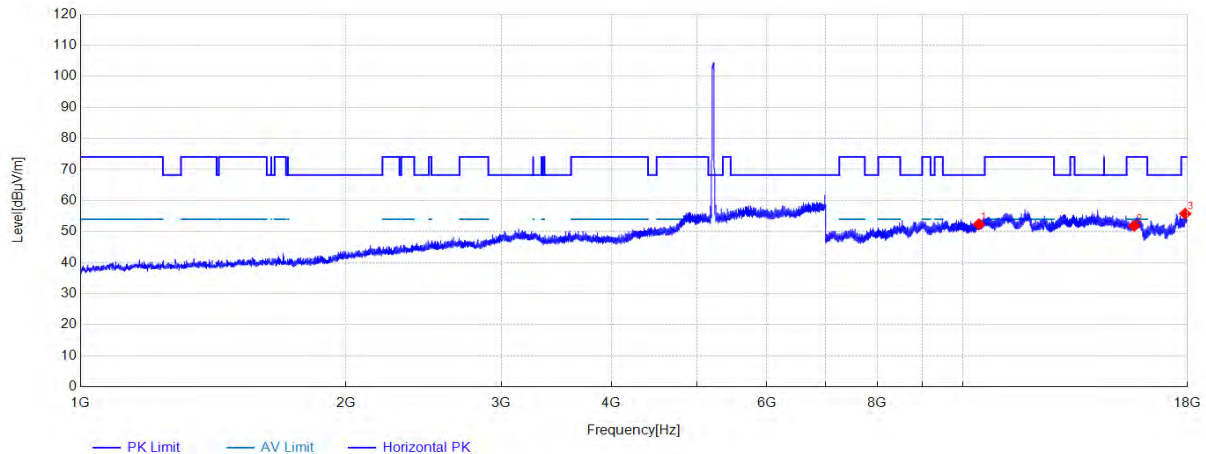
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802.11a_Channel 44



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	10440	54.08	38.84	-40.55	52.37	68.20	15.83	226	157	Horizontal
2	15660	51.56	39.14	-38.86	51.84	74.00	22.16	218	131	Horizontal
3	17884.2754	56.36	42.07	-42.68	55.75	74.00	18.25	109	58	Horizontal



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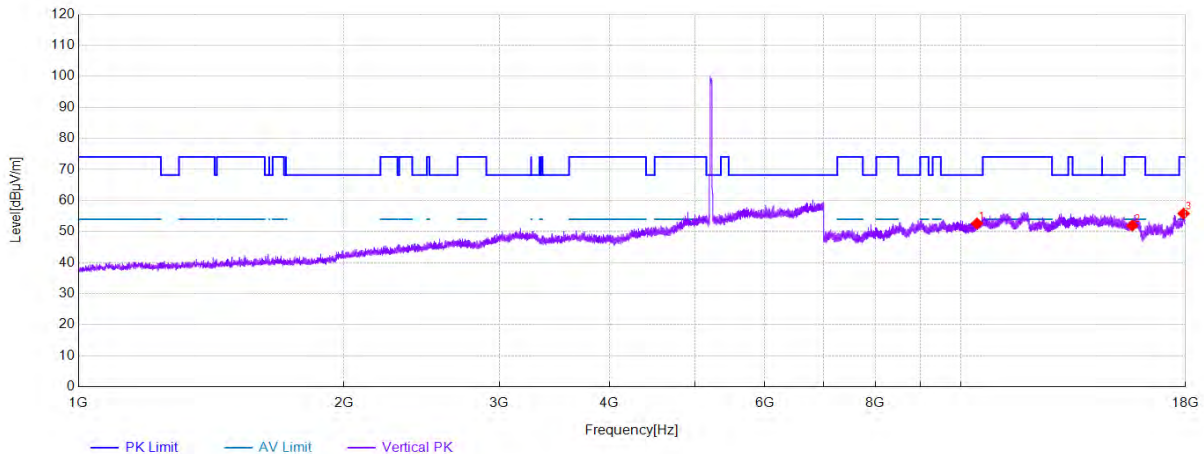
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802.11a_Channel 44



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	10440	54.30	38.84	-40.55	52.59	68.20	15.61	398	94	Vertical
2	15660	51.65	39.14	-38.86	51.93	74.00	22.07	241	196	Vertical
3	17904.9562	55.88	42.23	-42.30	55.81	74.00	18.19	304	76	Vertical



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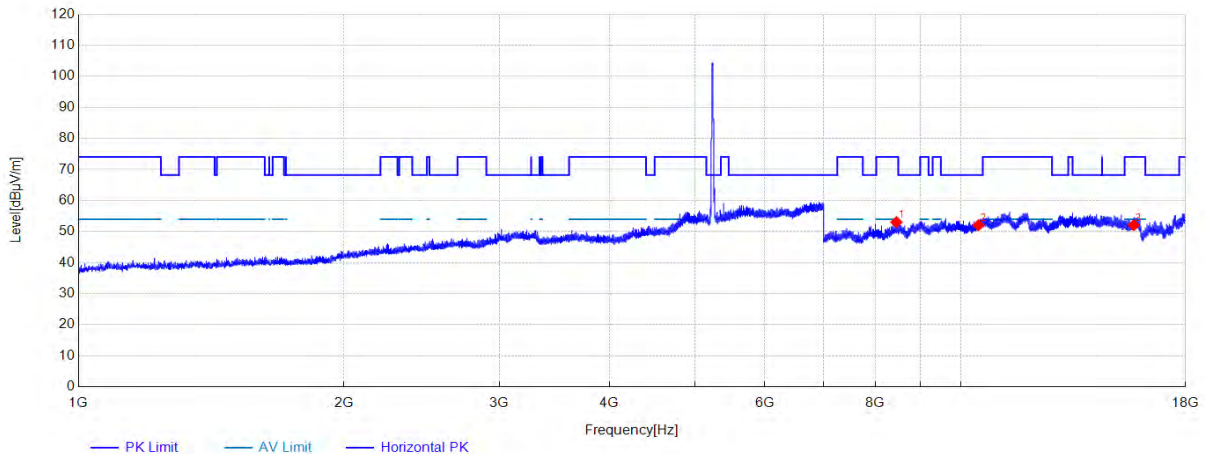
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802.11a_Channel 48



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	8459.5384	57.93	37.98	-42.85	53.06	74.00	20.94	113	32	Horizontal
2	10480	53.46	39.08	-40.48	52.06	68.20	16.14	207	265	Horizontal
3	15720	51.73	39.16	-38.82	52.07	74.00	21.93	199	255	Horizontal



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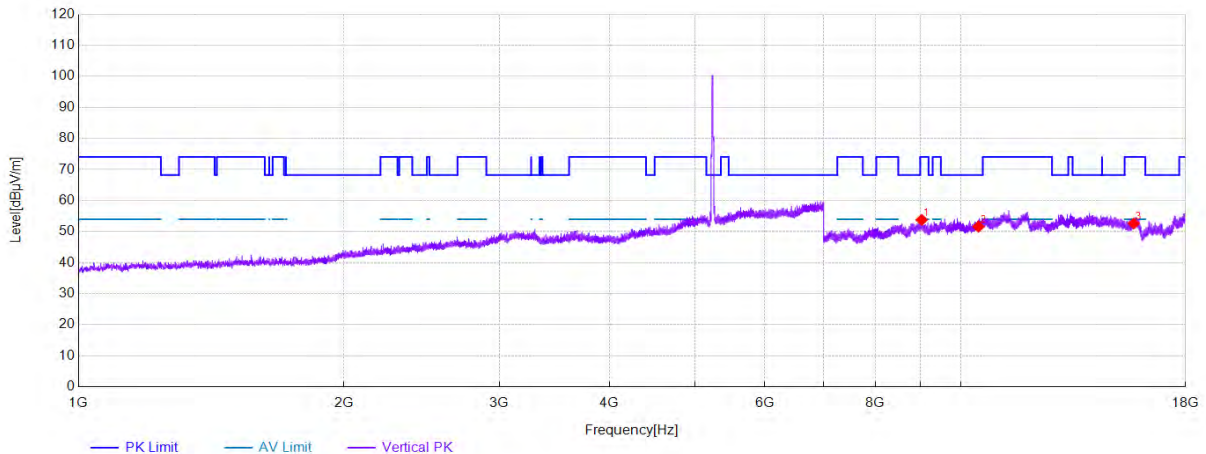
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802.11a_Channel 48



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	9035.0814	56.65	38.73	-41.64	53.74	74.00	20.26	389	256	Vertical
2	10480	52.98	39.08	-40.48	51.58	68.20	16.62	311	14	Vertical
3	15720	52.27	39.16	-38.82	52.61	74.00	21.39	226	100	Vertical



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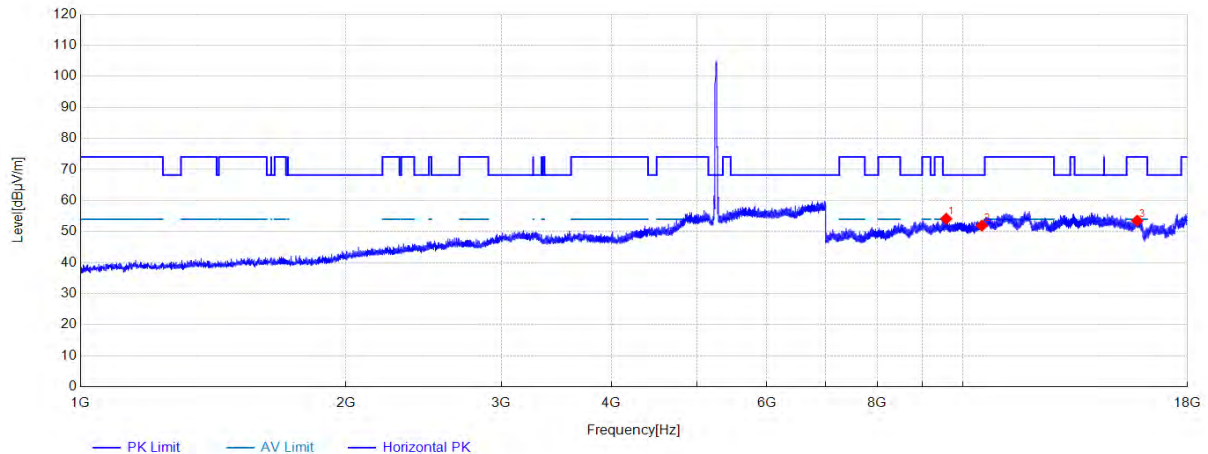
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802.11a_Channel 52



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	9585.1034	56.06	39.17	-41.10	54.13	68.20	14.07	198	6	Horizontal
2	10520	53.22	39.22	-40.49	51.95	68.20	16.25	222	109	Horizontal
3	15780	52.81	39.34	-38.64	53.51	74.00	20.49	110	59	Horizontal



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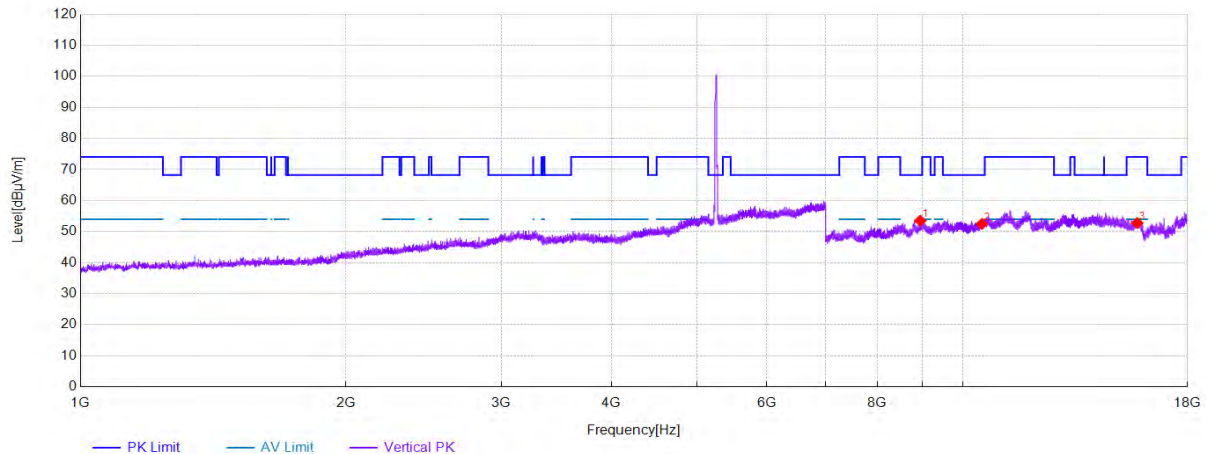
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8956.3183	56.51	38.54	-41.53	53.52	68.20	14.68	303	177	Vertical
2	10520	53.75	39.22	-40.49	52.48	68.20	15.72	243	7	Vertical
3	15780	52.04	39.34	-38.64	52.74	74.00	21.26	392	127	Vertical



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