

4.7.2.36

11AC20_165 ANT 1



Date: 2.NOV.2019 00:59:56

4.7.2.37

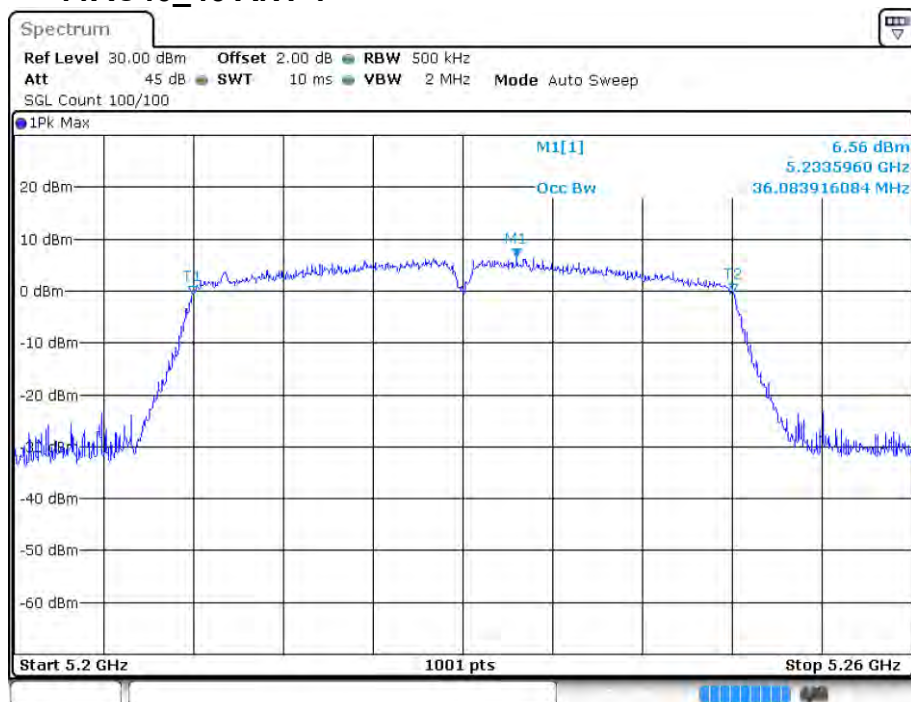
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Date: 2.NOV.2019 04:39:44



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Date: 2.NOV.2019 04:40:44

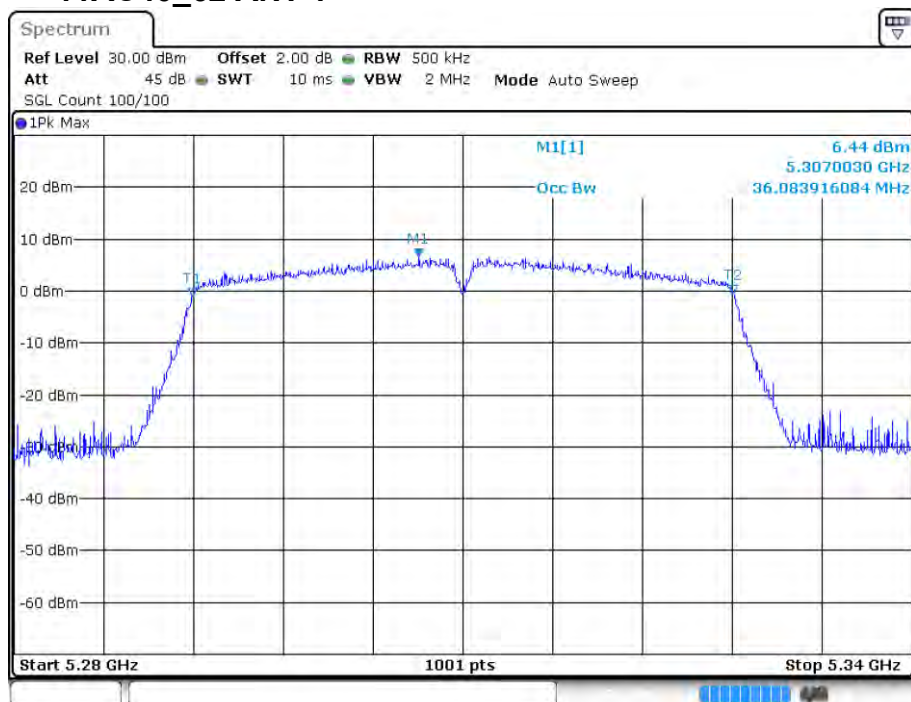
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Date: 2.NOV.2019 04:41:56



4.7.2.40 11AC40_62 ANT 1



Date: 2.NOV.2019 04:42:47

4.7.2.41 11AC40_102 ANT 1



Date: 2.NOV.2019 04:44:46

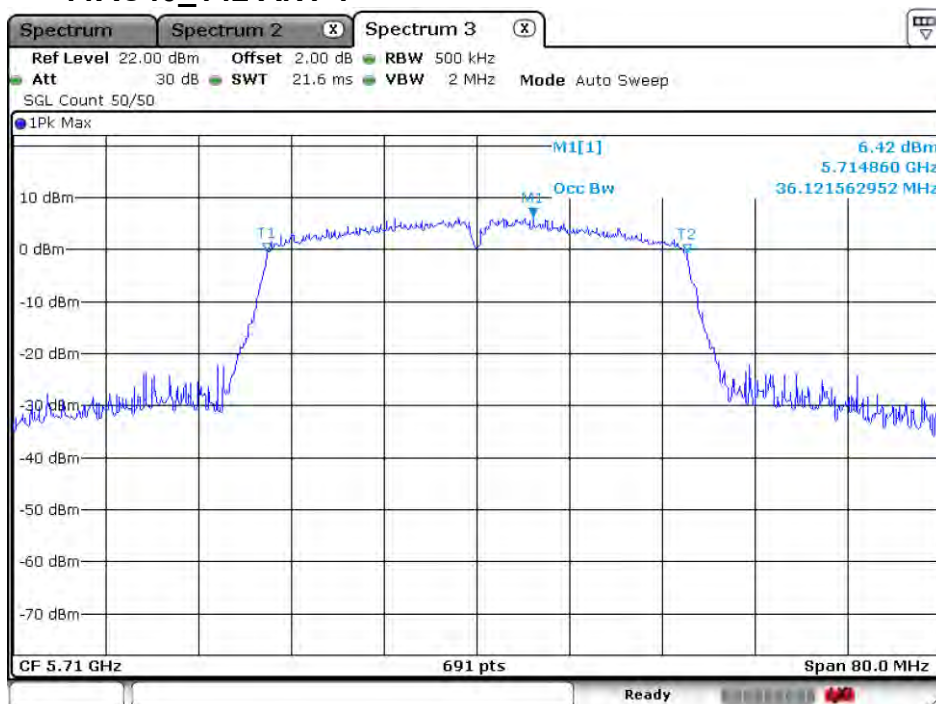


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Date: 2.NOV.2019 04:46:18

4.7.2.43 11AC40_142 ANT 1



Date: 14.DEC.2019 05:57:21



4.7.2.44 11AC40_151 ANT 1



Date: 2.NOV.2019 04:48:44

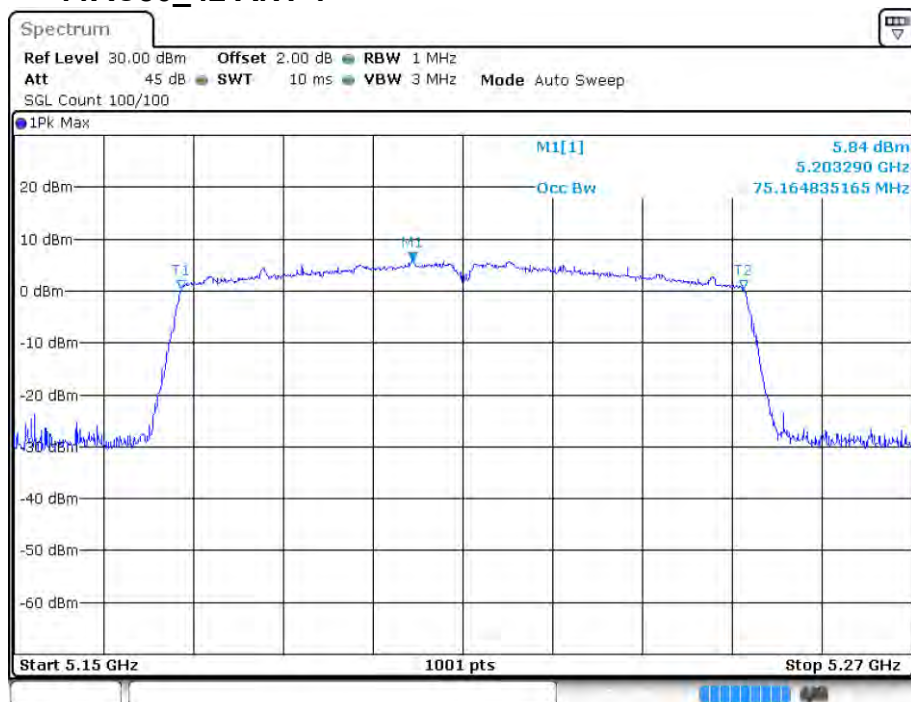
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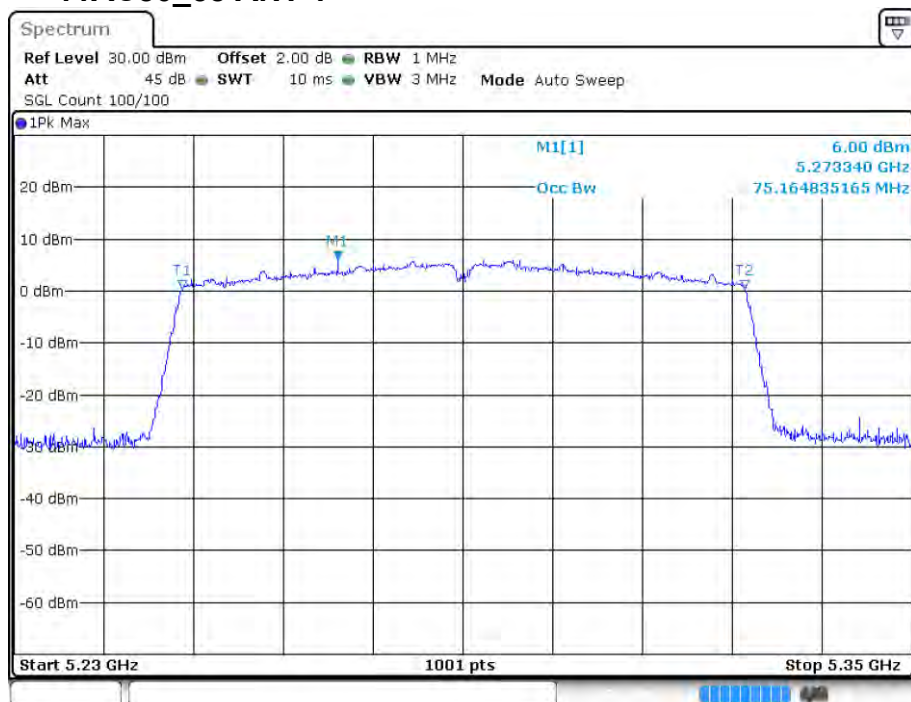


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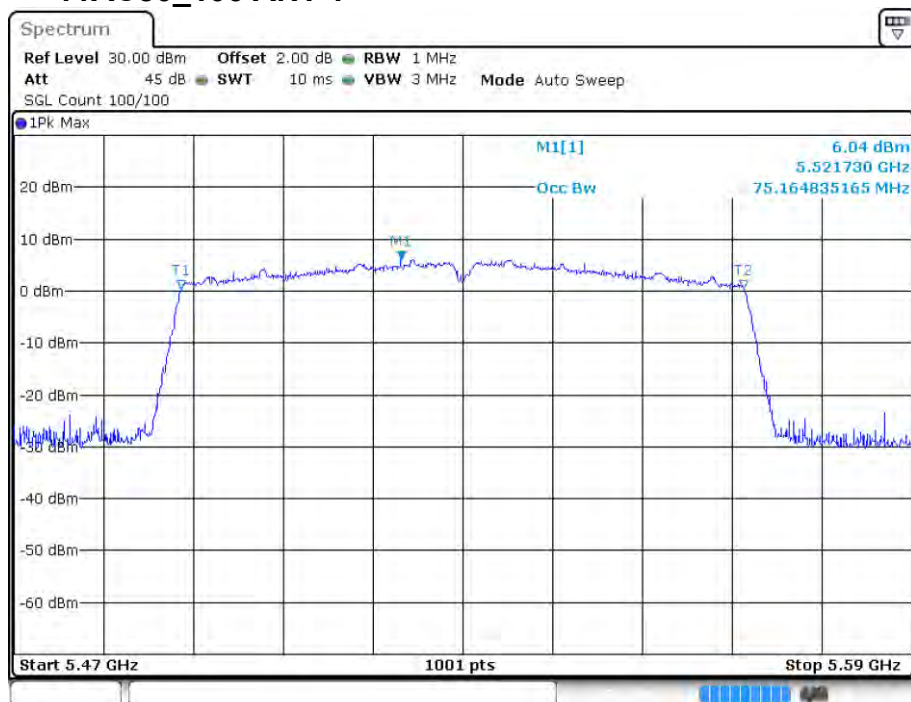
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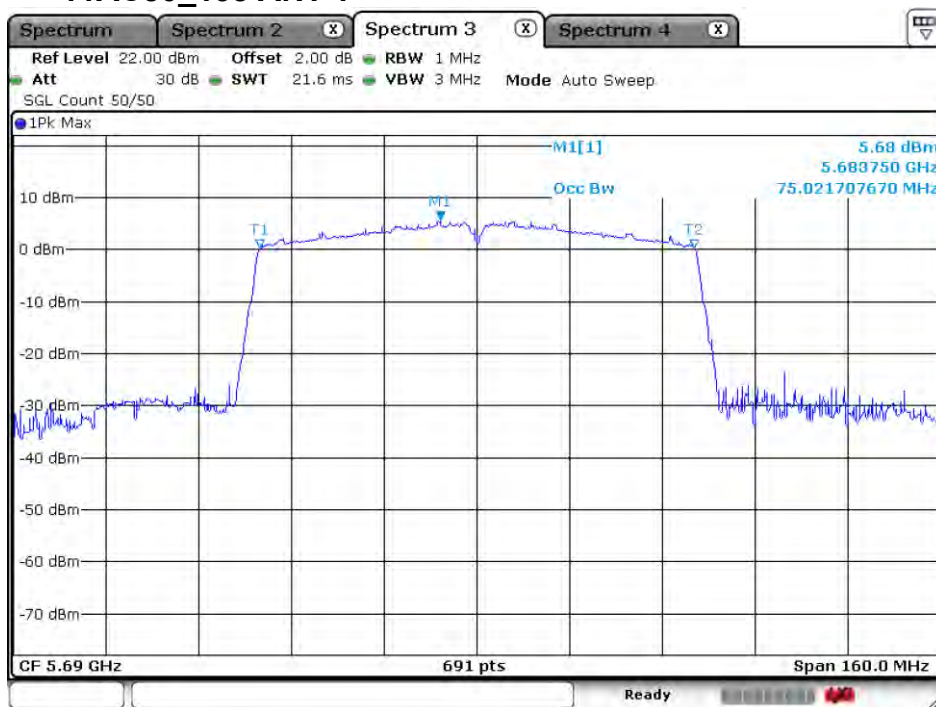


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Date: 2.NOV.2019 04:56:56

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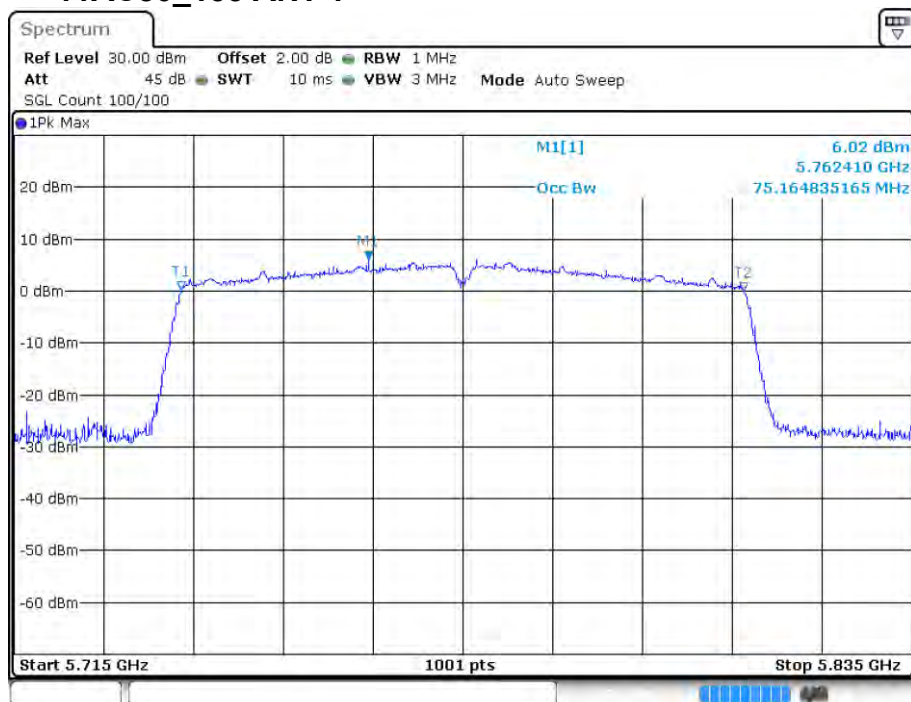


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4.7.2.50

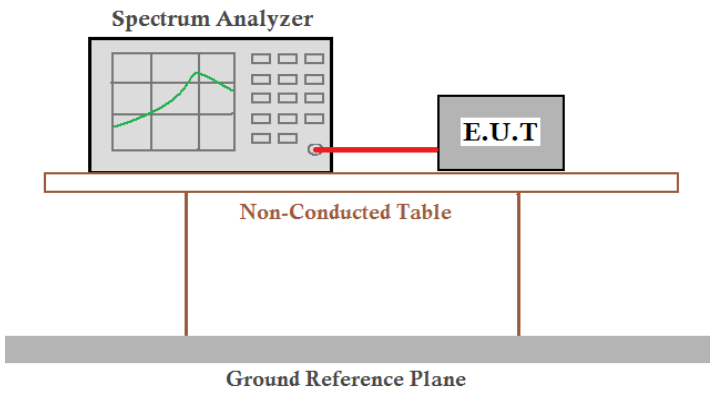
11AC80_155 ANT 1



Date: 2.NOV.2019 04:59:52



4.8 Power Spectral Density

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10: 2013	
Test Setup:		
Test Instruments:	Refer to section 5.10 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5150-5250MHz	The power spectral density less than 11dBm/1MHz
	5250-5350MHz	The power spectral density less than 11dBm/1MHz
	5470-5725MHz	The power spectral density less than 11dBm/1MHz
	5725-5850MHz	The power spectral density less than <30dBm/500KHz
Test Results:	Pass	





4.8.1 Test Results For Power Density

Test Mode	Test Channel	Frequency [MHz]	Antenna Port	Meas. Level (Cond.)	Unit	Verdict
11A20	36	5180	ANT 1	6.54	dBm/MHz	PASS
	48	5240	ANT 1	6.31	dBm/MHz	PASS
	52	5260	ANT 1	6.43	dBm/MHz	PASS
	64	5320	ANT 1	6.09	dBm/MHz	PASS
	100	5500	ANT 1	6.36	dBm/MHz	PASS
	140	5700	ANT 1	5.64	dBm/MHz	PASS
	144(BandII-C)	5720	ANT 1	5.29	dBm/MHz	PASS
	144(BandIII)	5720	ANT 1	0.29	dBm/500KHz	PASS
	149	5745	ANT 1	4.26	dBm/500KHz	PASS
	165	5825	ANT 1	4.16	dBm/500KHz	PASS
11N20	36	5180	ANT 1	6.32	dBm/MHz	PASS
	48	5240	ANT 1	6.04	dBm/MHz	PASS
	52	5260	ANT 1	5.52	dBm/MHz	PASS
	64	5320	ANT 1	6.17	dBm/MHz	PASS
	100	5500	ANT 1	5.48	dBm/MHz	PASS
	140	5700	ANT 1	5.54	dBm/MHz	PASS
	144(BandII-C)	5720	ANT 1	4.89	dBm/MHz	PASS
	144(BandIII)	5720	ANT 1	0.53	dBm/500KHz	PASS
	149	5745	ANT 1	4.28	dBm/500KHz	PASS
	165	5825	ANT 1	4.21	dBm/500KHz	PASS
11N40	38	5190	ANT 1	3	dBm/MHz	PASS
	46	5230	ANT 1	2.36	dBm/MHz	PASS
	54	5270	ANT 1	2.17	dBm/MHz	PASS
	62	5310	ANT 1	2.44	dBm/MHz	PASS
	102	5510	ANT 1	2.32	dBm/MHz	PASS
	134	5670	ANT 1	2.25	dBm/MHz	PASS
	144(BandII-C)	5710	ANT 1	1.62	dBm/MHz	PASS
	144(BandIII)	5710	ANT 1	-4.62	dBm/500KHz	PASS
	151	5755	ANT 1	1.14	dBm/500KHz	PASS
	159	5795	ANT 1	0.63	dBm/500KHz	PASS
11AC20	36	5180	ANT 1	6.23	dBm/MHz	PASS
	48	5240	ANT 1	5.78	dBm/MHz	PASS
	52	5260	ANT 1	5.69	dBm/MHz	PASS
	64	5320	ANT 1	6.16	dBm/MHz	PASS
	100	5500	ANT 1	5.85	dBm/MHz	PASS
	140	5700	ANT 1	5.43	dBm/MHz	PASS
	142(BandII-C)	5720	ANT 1	4.88	dBm/MHz	PASS
	142(BandIII)	5720	ANT 1	0.56	dBm/500KHz	PASS
	149	5745	ANT 1	4.12	dBm/500KHz	PASS
	165	5825	ANT 1	4.14	dBm/500KHz	PASS
11AC40	38	5190	ANT 1	3.58	dBm/MHz	PASS
	46	5230	ANT 1	3.28	dBm/MHz	PASS



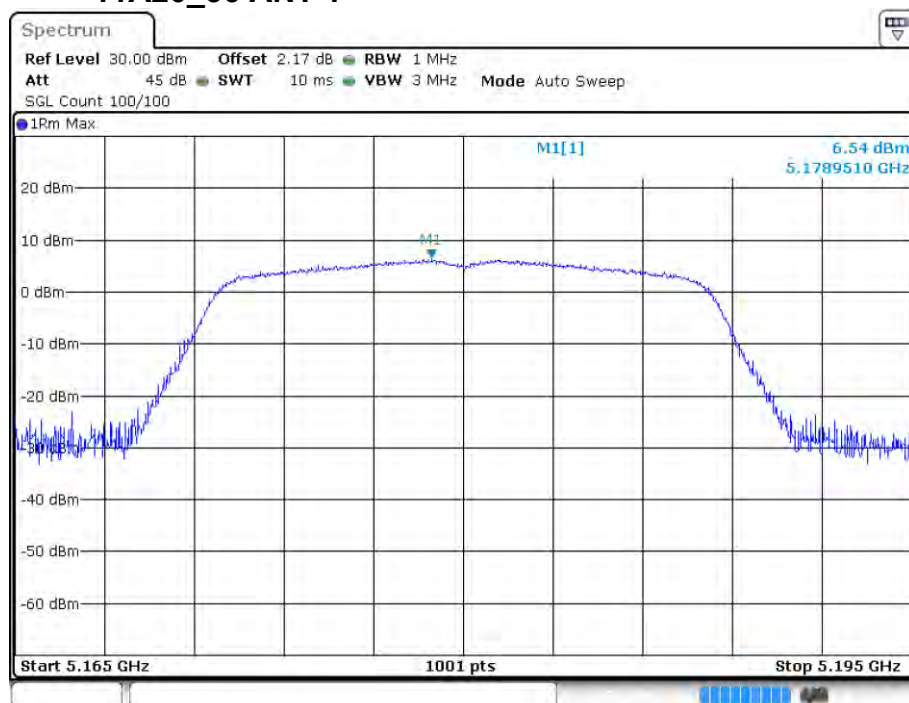
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	54	5270	ANT 1	3.41	dBm/MHz	PASS
	62	5310	ANT 1	3.47	dBm/MHz	PASS
	102	5510	ANT 1	3.44	dBm/MHz	PASS
	134	5670	ANT 1	3.11	dBm/MHz	PASS
	142(BandII-C)	5710	ANT 1	4.88	dBm/MHz	PASS
	142(BandIII)	5710	ANT 1	0.56	dBm/500KHz	PASS
	151	5755	ANT 1	1.75	dBm/500KHz	PASS
	159	5795	ANT 1	1.61	dBm/500KHz	PASS
11AC80	42	5210	ANT 1	-0.34	dBm/MHz	PASS
	58	5290	ANT 1	-0.68	dBm/MHz	PASS
	106	5530	ANT 1	-0.3	dBm/MHz	PASS
	138(BandII-C)	5690	ANT 1	-2.75	dBm/MHz	PASS
	138(BandIII)	5690	ANT 1	-9.22	dBm/500KHz	PASS
	155	5775	ANT 1	-2.14	dBm/500KHz	PASS

4.8.2 Test plots For Power Density

4.8.2.1 11A20_36 ANT 1



Date: 2.NOV.2019 00:26:39



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Shenzhen Branch

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4.8.2.2

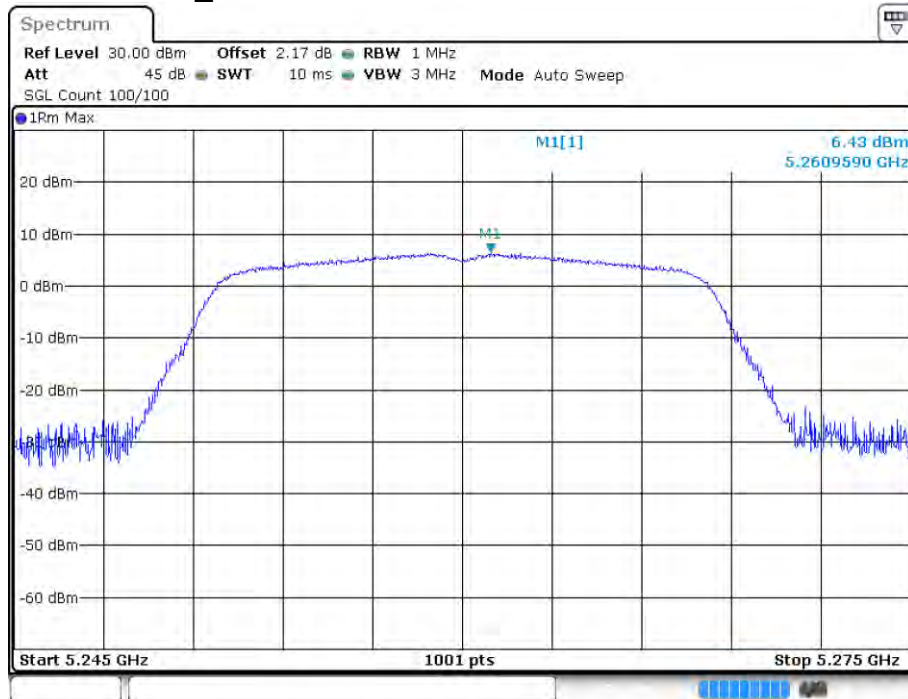
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Date: 2.NOV.2019 00:28:56



4.8.2.4

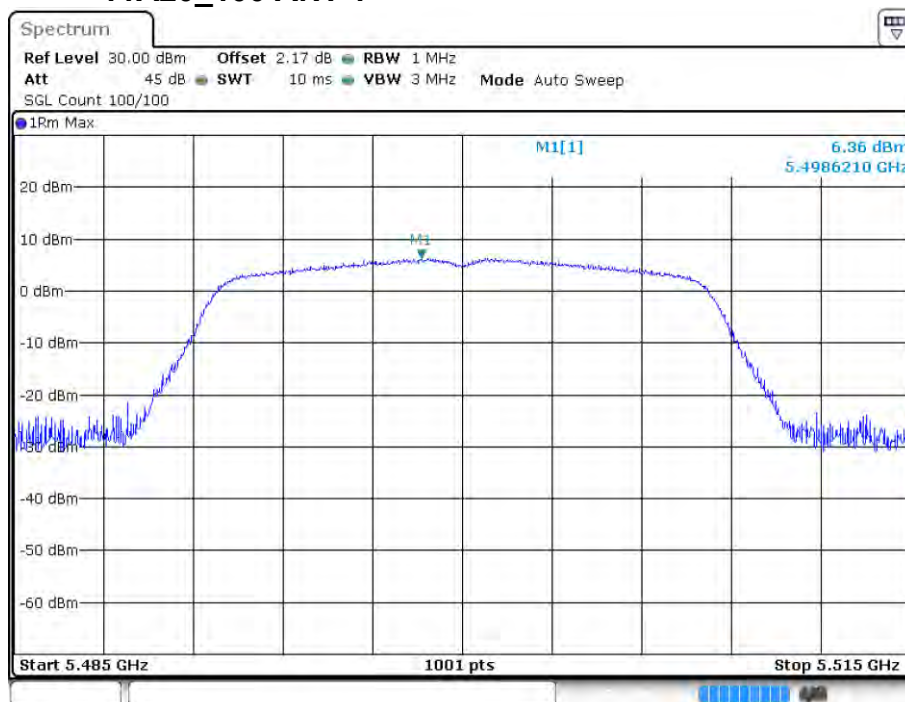
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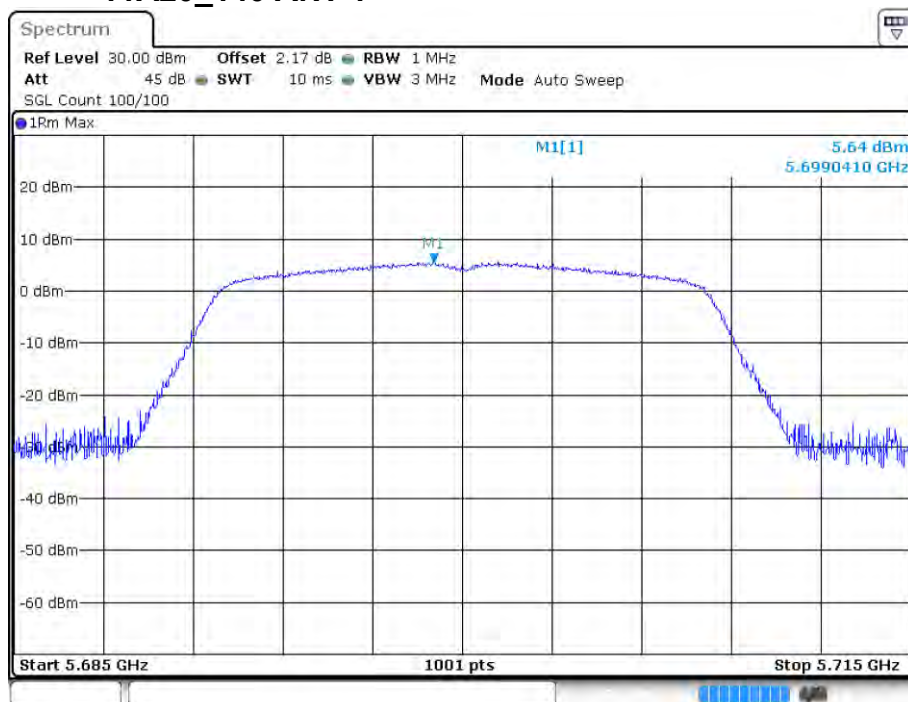


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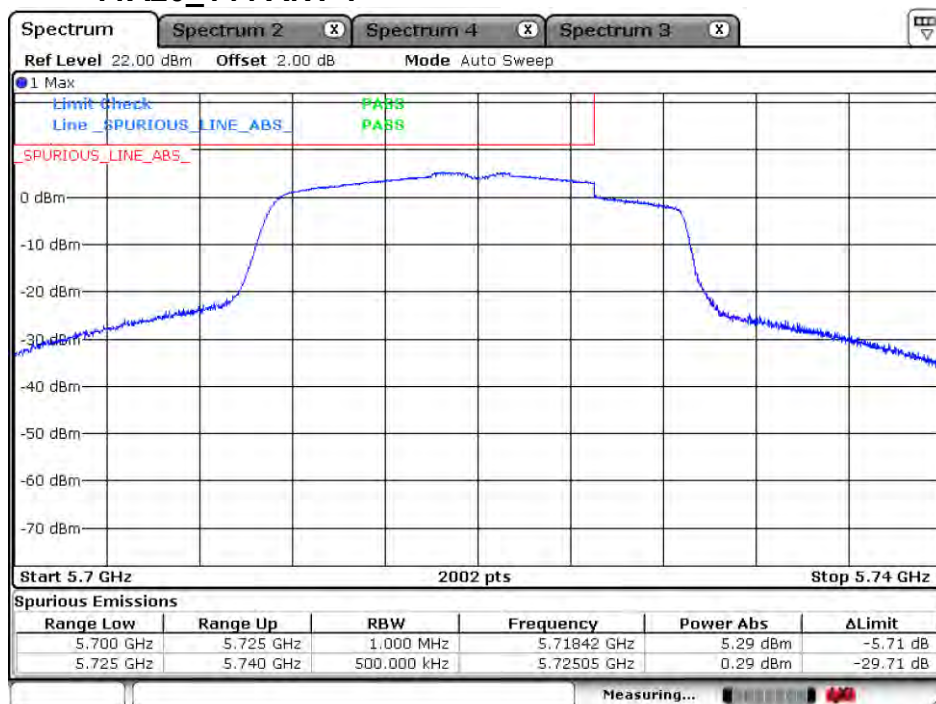
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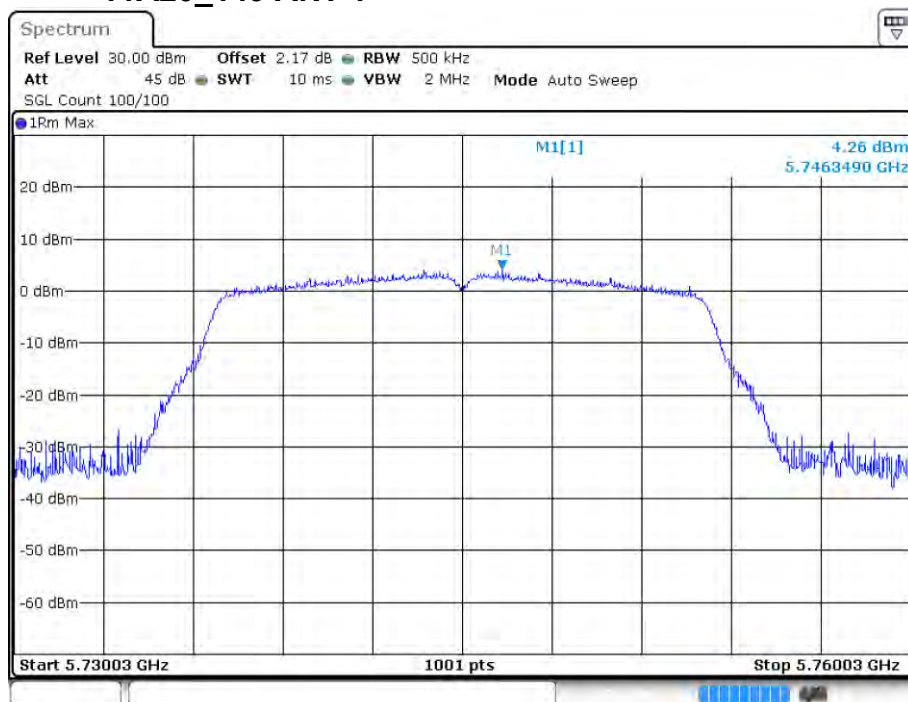


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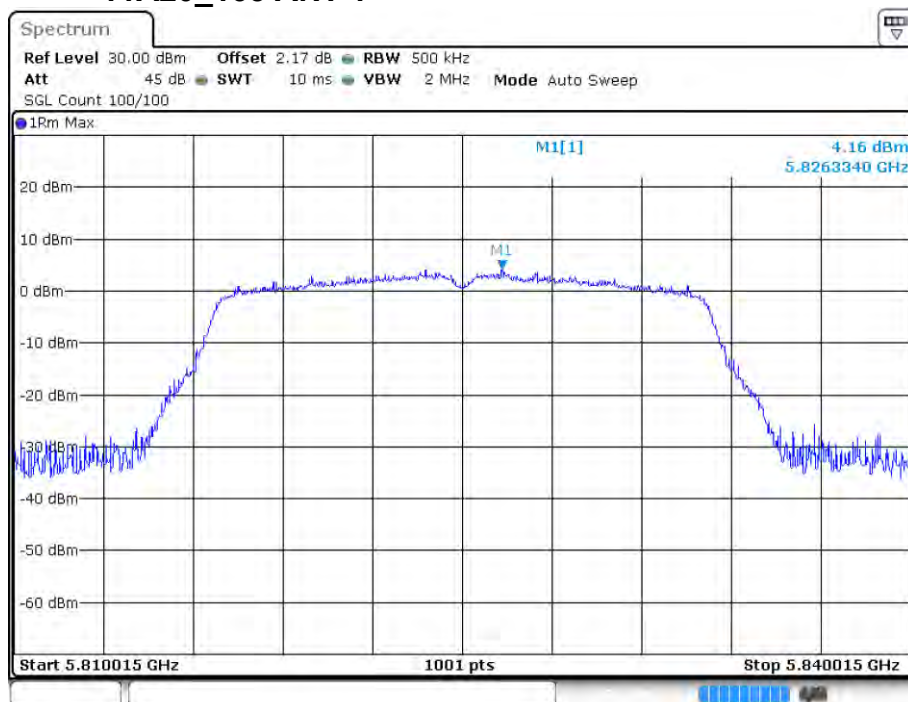
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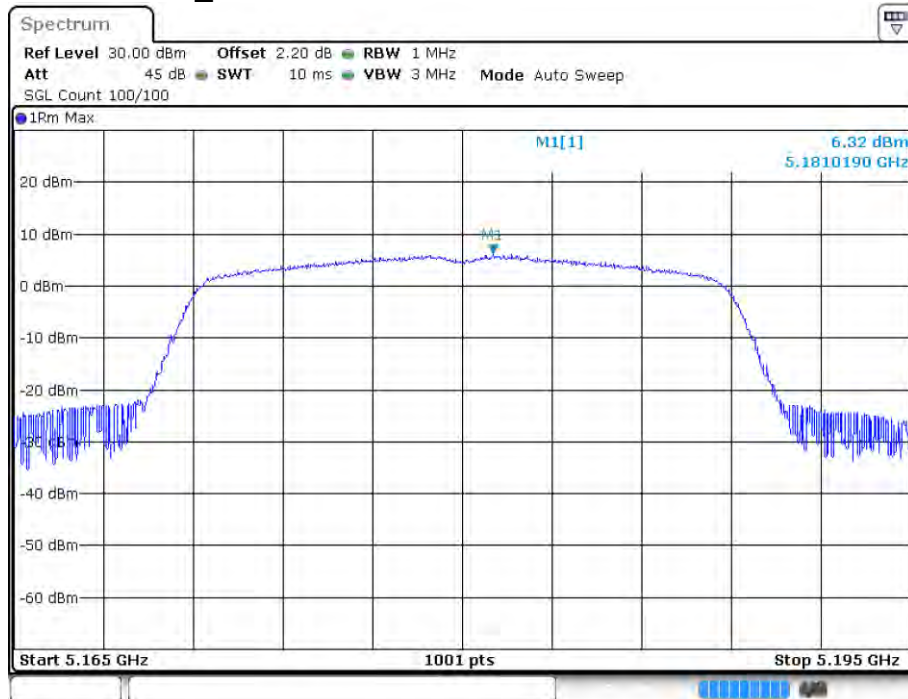


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4.8.2.10

11N20_36 ANT 1



Date: 2.NOV.2019 00:39:52

4.8.2.11

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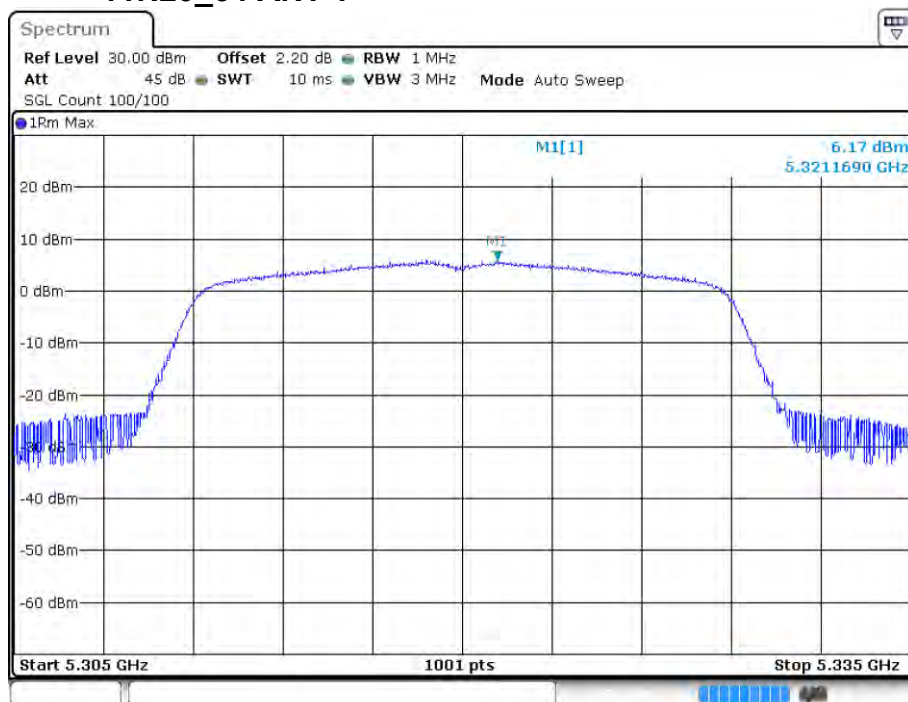
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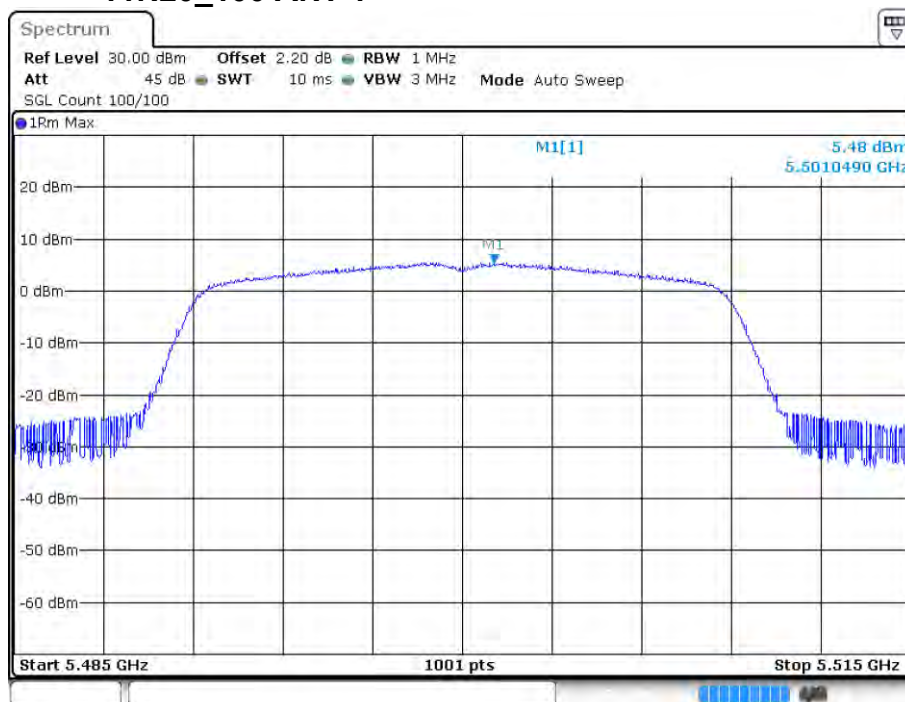


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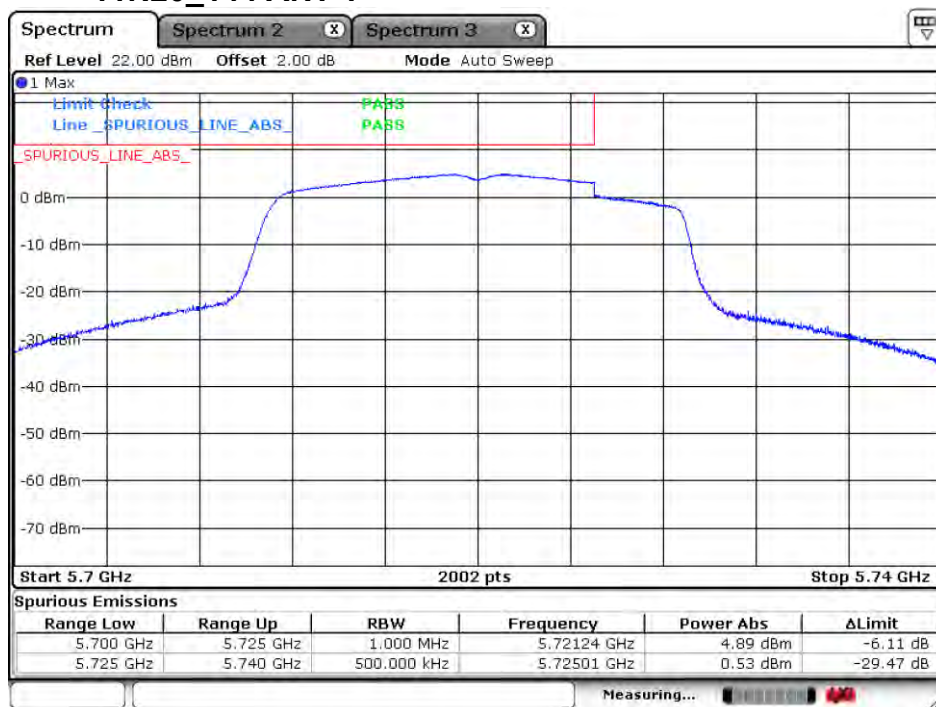


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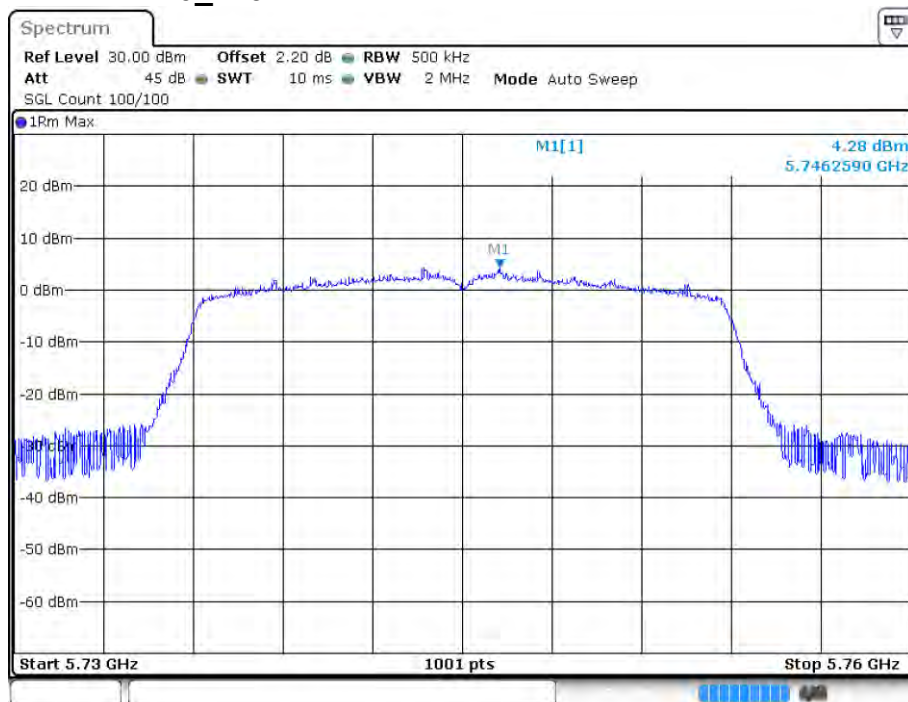
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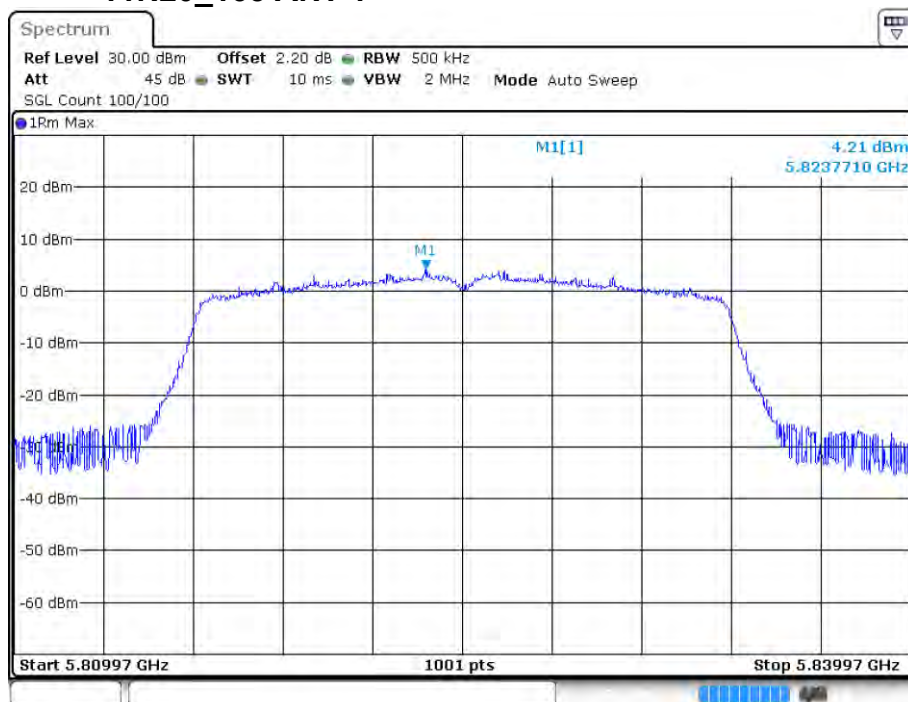


Date: 2.NOV.2019 00:46:16



4.8.2.18

11N20_165 ANT 1



Date: 2.NOV.2019 00:47:07

4.8.2.19

11N40_38 ANT 1



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4.8.2.20

11N40_46 ANT 1



Date: 2.NOV.2019 01:04:30

4.8.2.21

11N40_54 ANT 1



Date: 2.NOV.2019 01:06:54



4.8.2.22

11N40_62 ANT 1



Date: 2.NOV.2019 01:09:11

4.8.2.23

11N40_102 ANT 1



Date: 2.NOV.2019 01:10:29



4.8.2.24

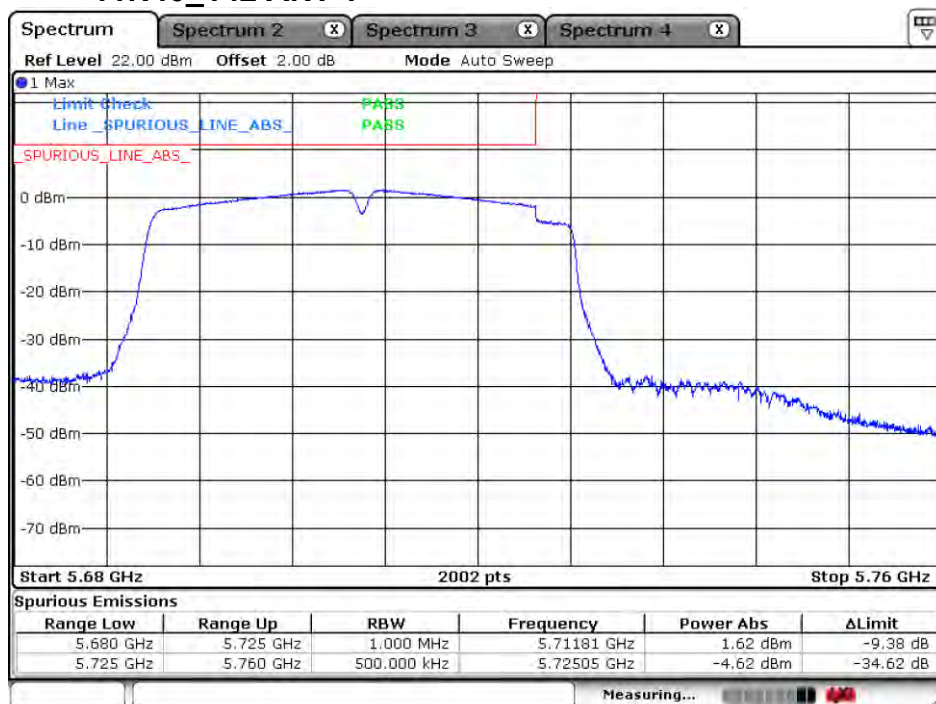
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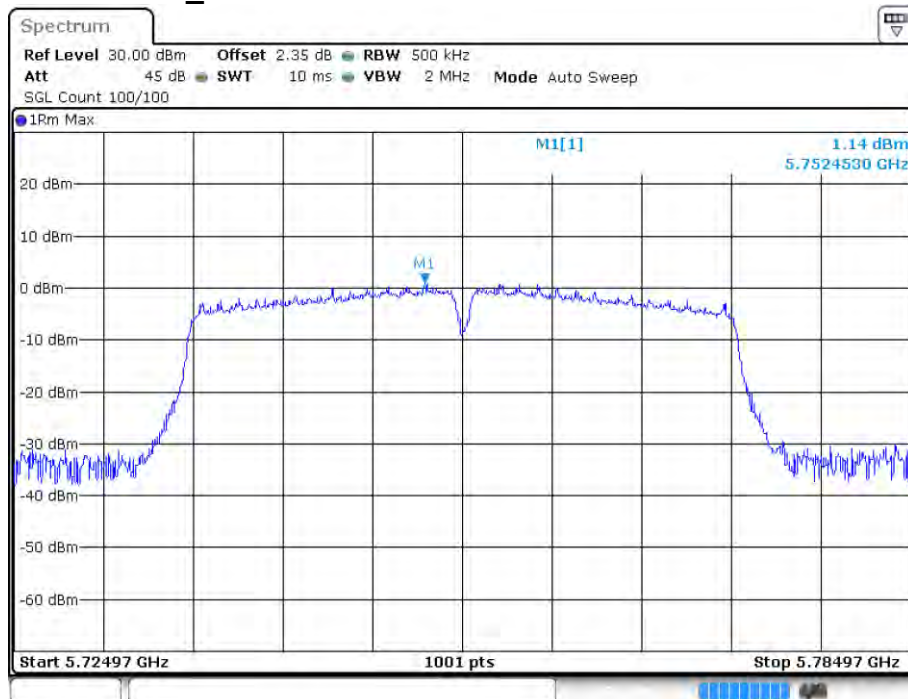


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4.8.2.26

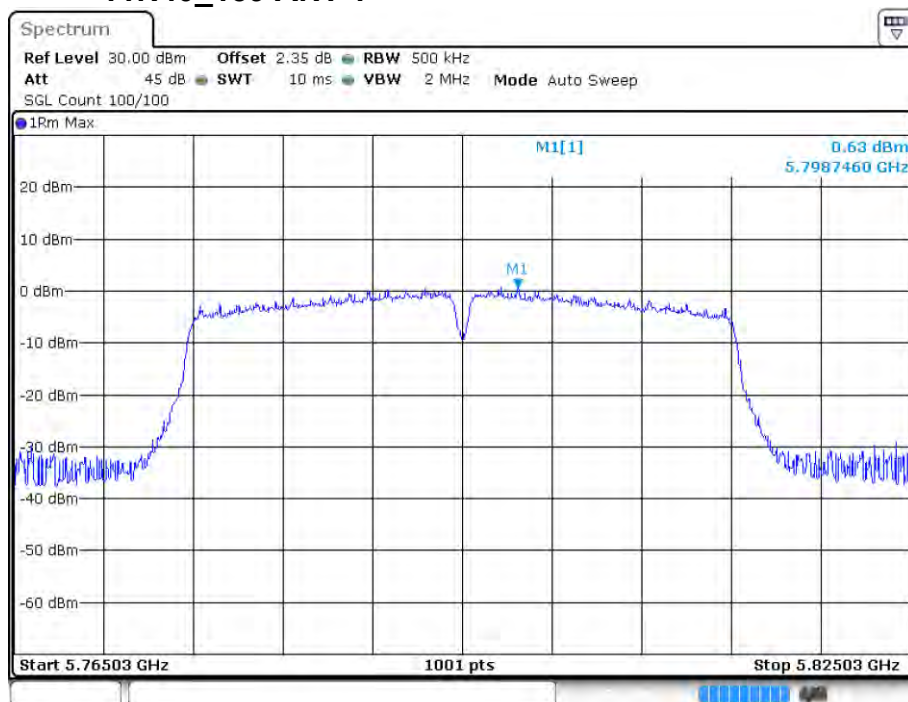
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Date: 2.NOV.2019 01:14:13

4.8.2.27

11N40_159 ANT 1



Date: 2.NOV.2019 01:15:26



4.8.2.28

11AC20_36 ANT 1



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4.8.2.29

11AC20_48 ANT 1



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4.8.2.30

11AC20_52 ANT 1



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4.8.2.31

11AC20_64 ANT 1



Date: 2.NOV.2019 00:54:01



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4.8.2.32 11AC20_100 ANT 1



Date: 2.NOV.2019 00:56:16

4.8.2.33 11AC20_140 ANT 1

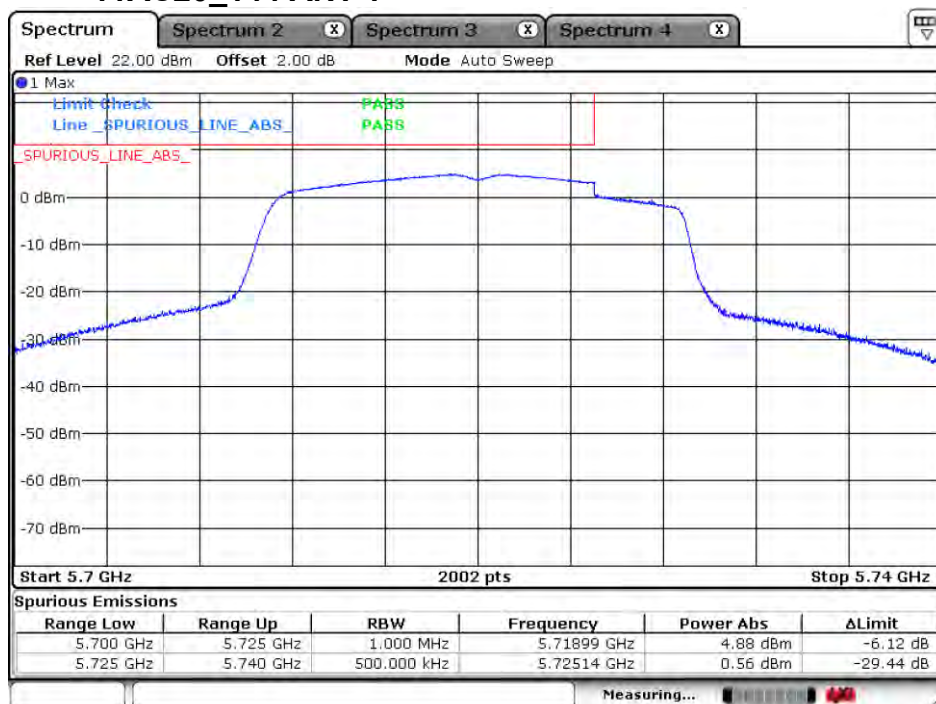


Date: 2.NOV.2019 00:57:45



4.8.2.34

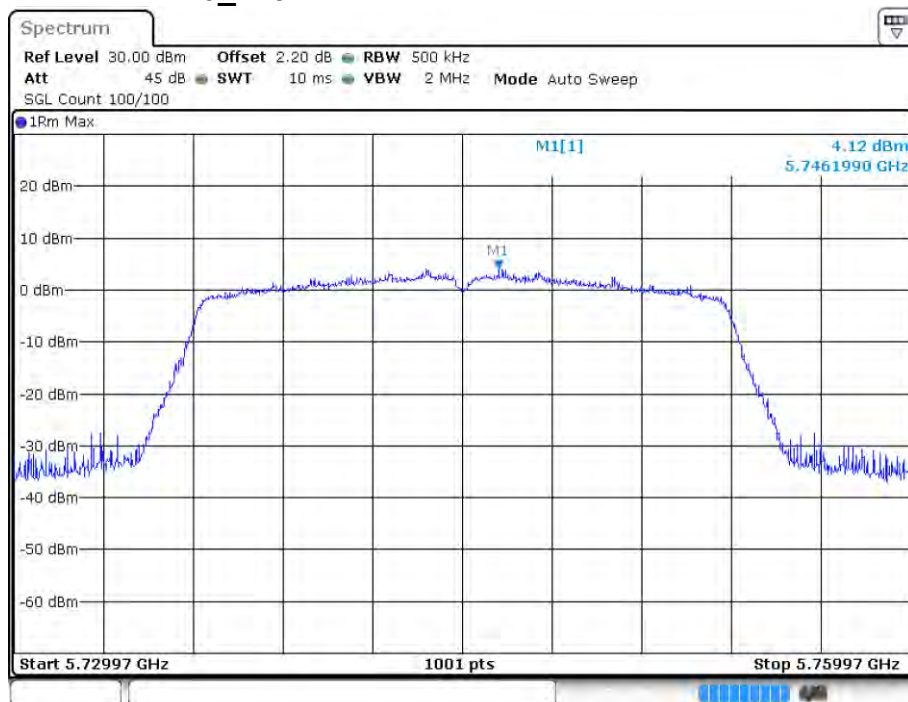
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4.8.2.35

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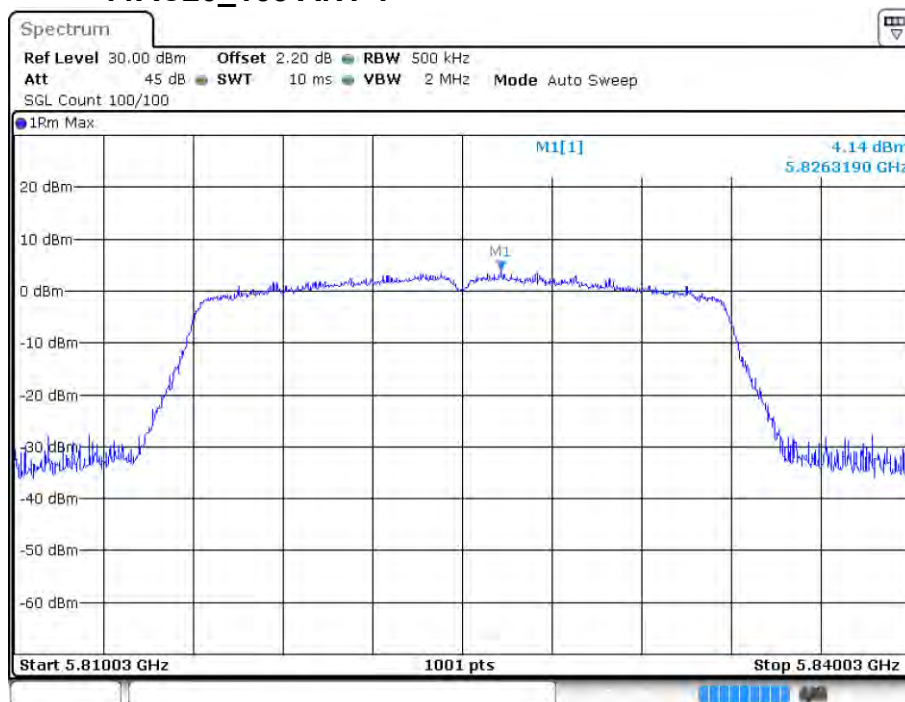


Date: 2.NOV.2019 00:59:18



4.8.2.36

11AC20_165 ANT 1



Date: 2.NOV.2019 01:00:21

4.8.2.37

11AC40_38 ANT 1



Date: 2.NOV.2019 04:40:05



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4.8.2.38

11AC40_46 ANT 1



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4.8.2.39

11AC40_54 ANT 1



Date: 2.NOV.2019 04:42:16



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4.8.2.40

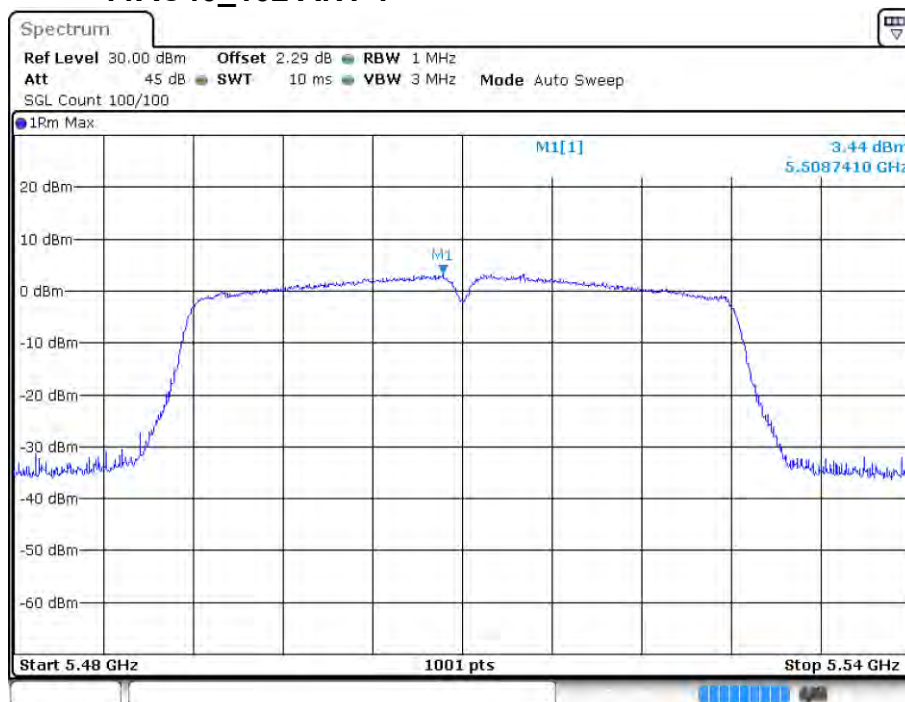
11AC40_62 ANT 1



Date: 2.NOV.2019 04:43:08

4.8.2.41

11AC40_102 ANT 1



Date: 2.NOV.2019 04:45:06



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4.8.2.42

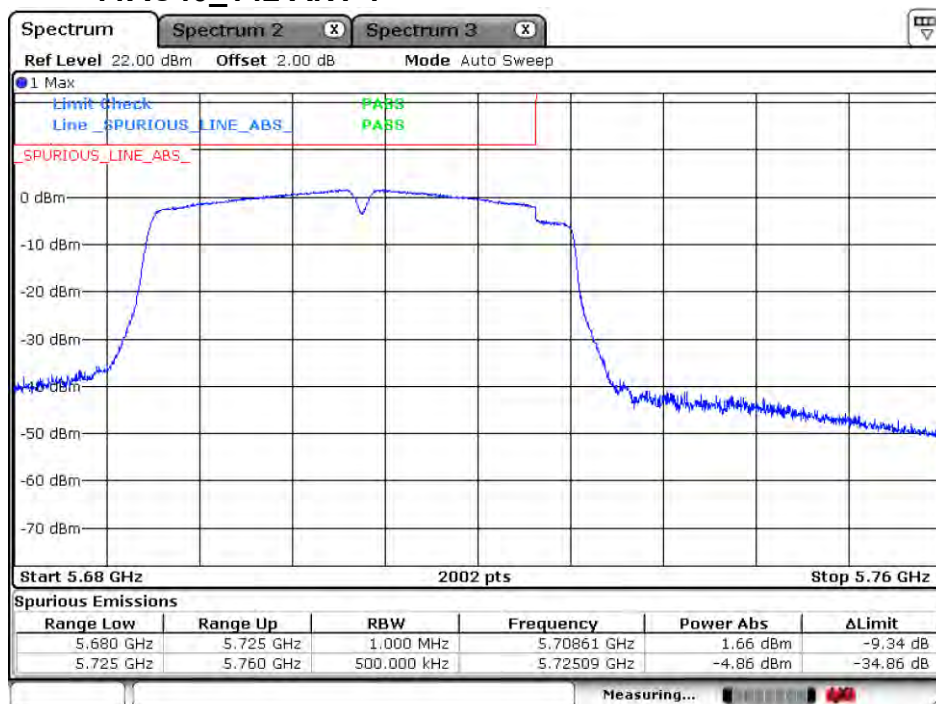
11AC40_134 ANT 1



Date: 2.NOV.2019 04:46:39

4.8.2.43

11AC40_142 ANT 1

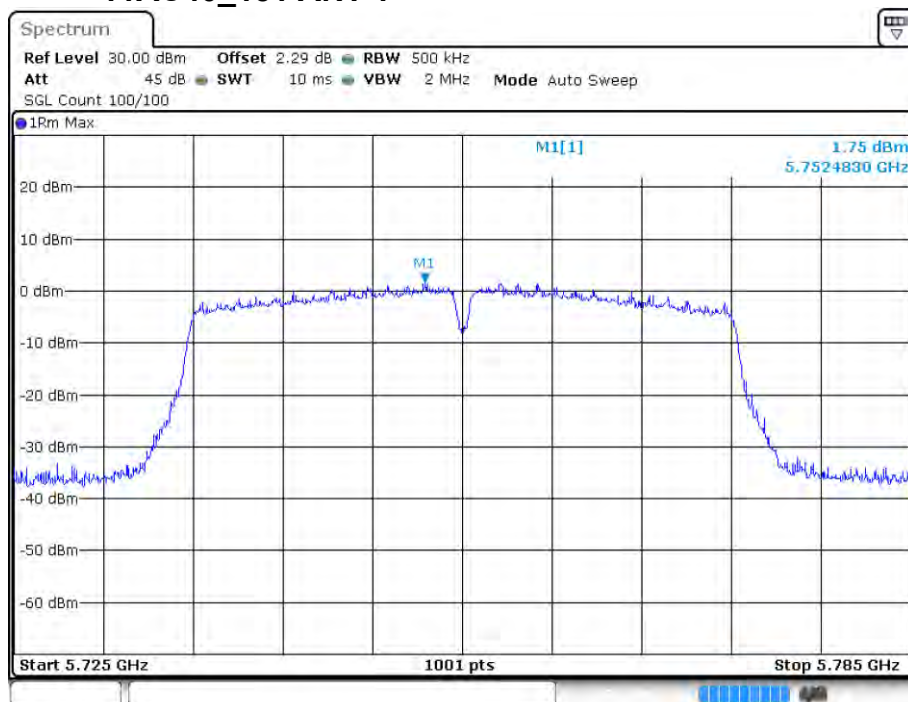


Date: 14.DEC.2019 05:55:40



4.8.2.44

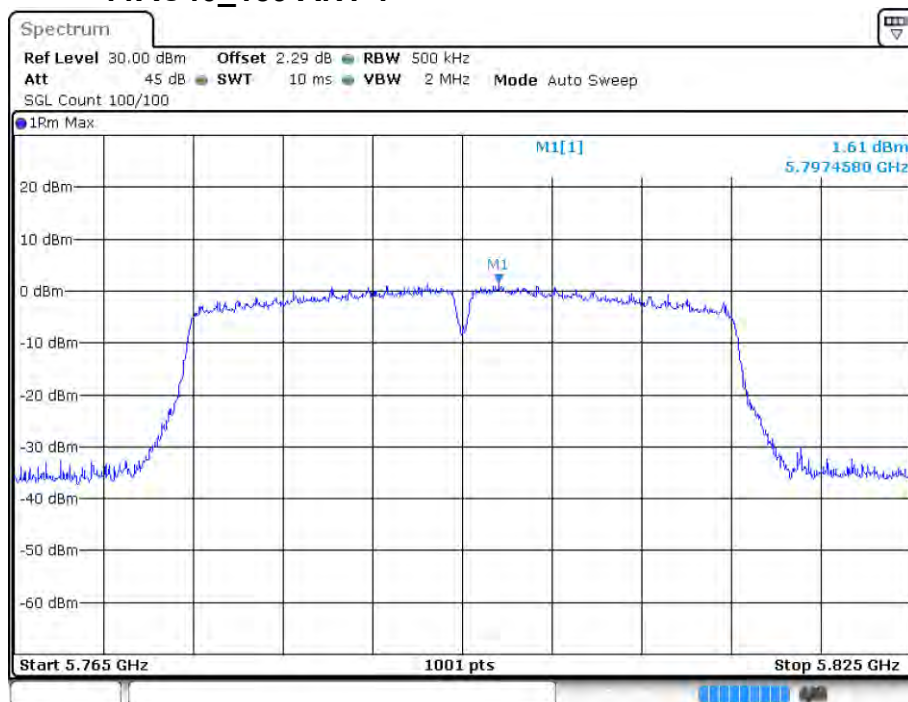
11AC40_151 ANT 1



Date: 2.NOV.2019 04:49:09

4.8.2.45

11AC40_159 ANT 1



Date: 2.NOV.2019 04:50:15



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4.8.2.46

11AC80_42 ANT 1



Date: 2.NOV.2019 04:52:53

4.8.2.47

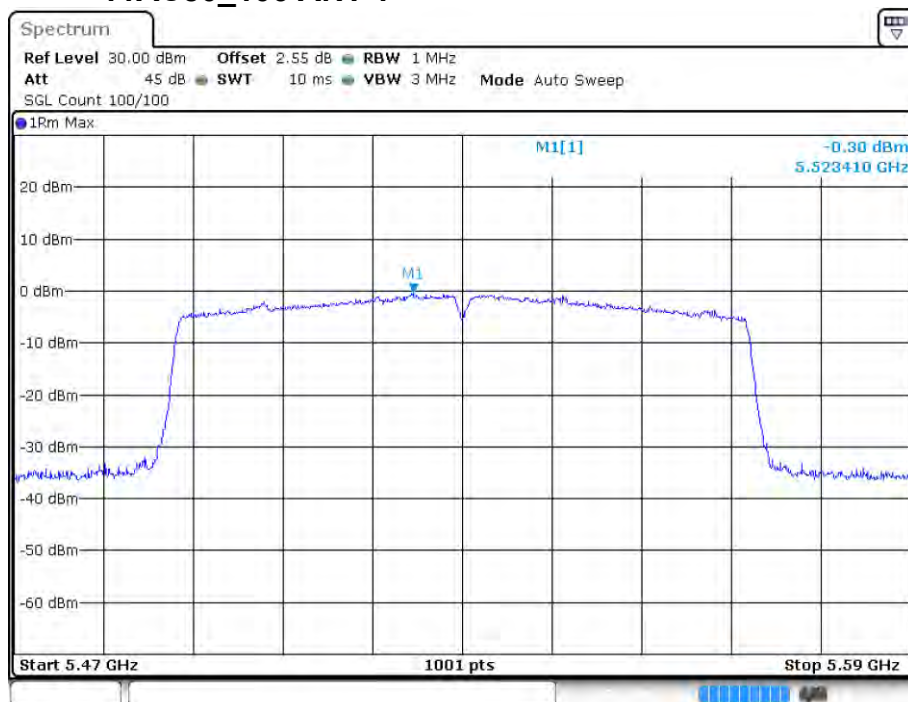
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Date: 2.NOV.2019 04:54:22

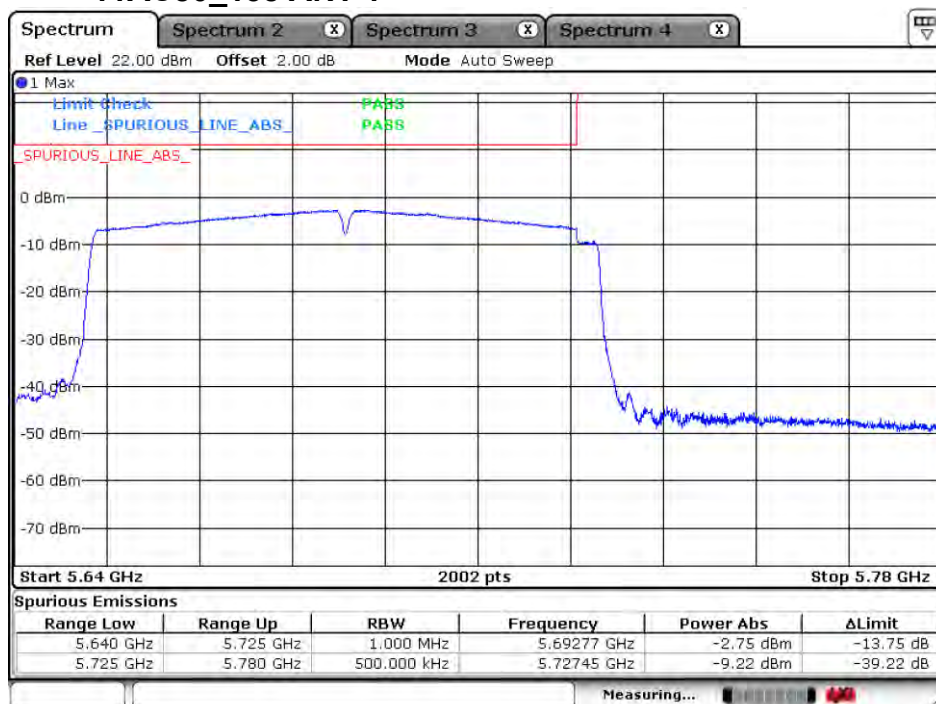


4.8.2.48 11AC80_106 ANT 1



Date: 2.NOV.2019 04:57:17

4.8.2.49 11AC80_138 ANT 1

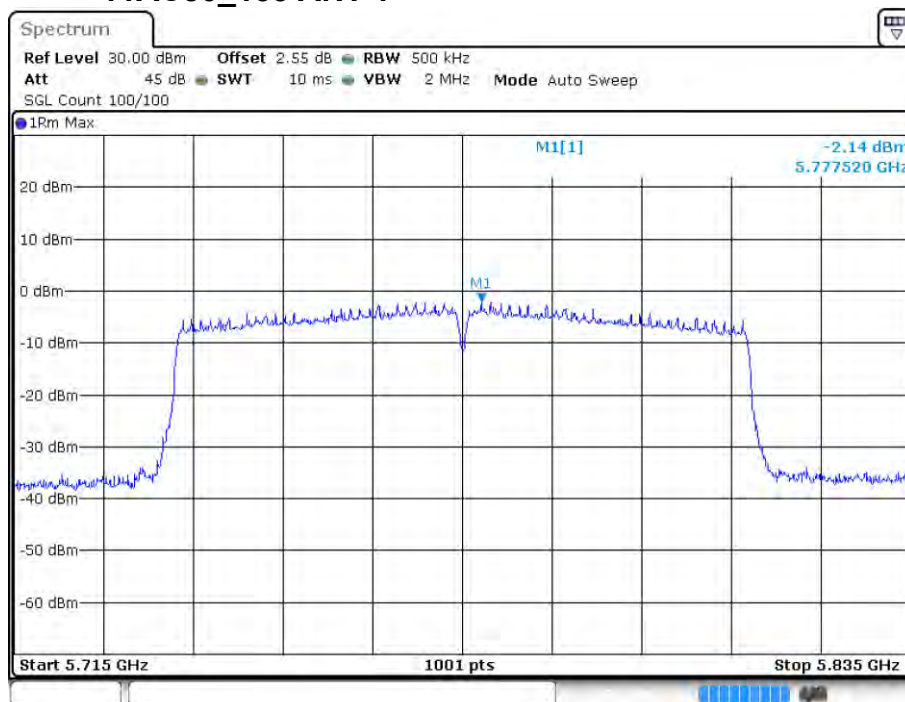


Date: 14.DEC.2019 06:10:40



4.8.2.50

11AC80_155 ANT 1



Date: 2.NOV.2019 05:00:17



4.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15 Section 15.407(b)
Test Method:	ANSI C63.10: 2013
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)
Test Setup:	

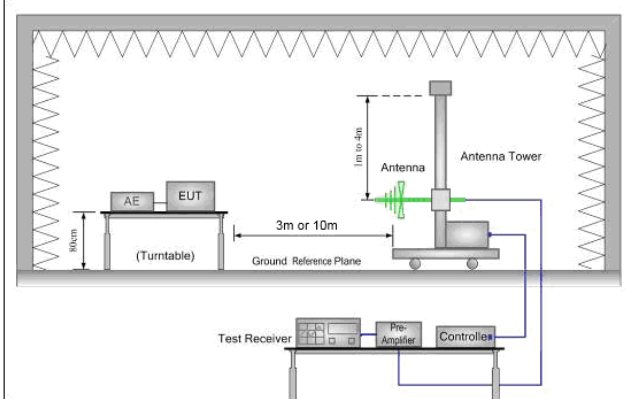


Figure 1. 30MHz to 1GHz

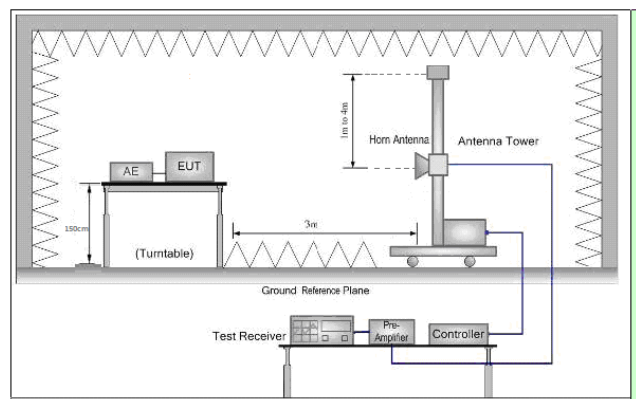


Figure 2. Above 1 GHz

Test Procedure:

- For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- Test the EUT in the outermost channels.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.
- Repeat above procedures until all frequencies measured was complete.





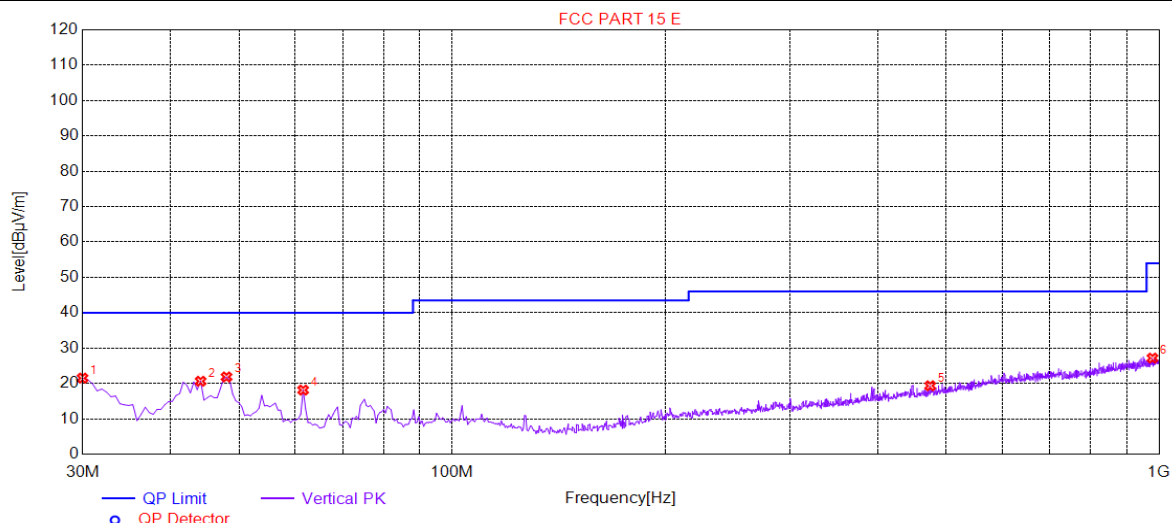
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80) For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass





4.9.1 Radiated emission below 1GHz

30MHz~1GHz (QP)		
Test mode:	Transmitting	Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.0000	21.51	-33.08	40.00	18.49	261	314	Vertical
2	44.0720	20.63	-30.60	40.00	19.37	271	23	Vertical
3	47.9540	21.84	-30.39	40.00	18.16	160	264	Vertical
4	61.5408	18.13	-32.26	40.00	21.87	233	21	Vertical
5	474.4822	19.35	-23.93	46.00	26.65	168	346	Vertical
6	978.6493	27.17	-15.08	54.00	26.83	283	76	Vertical



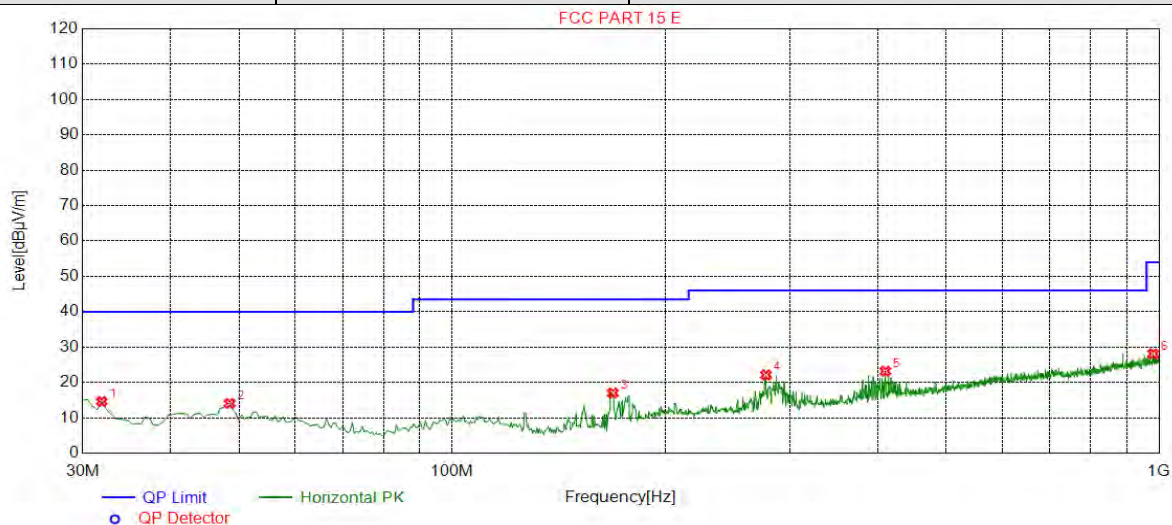
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Test mode:	Transmitting	Horizontal
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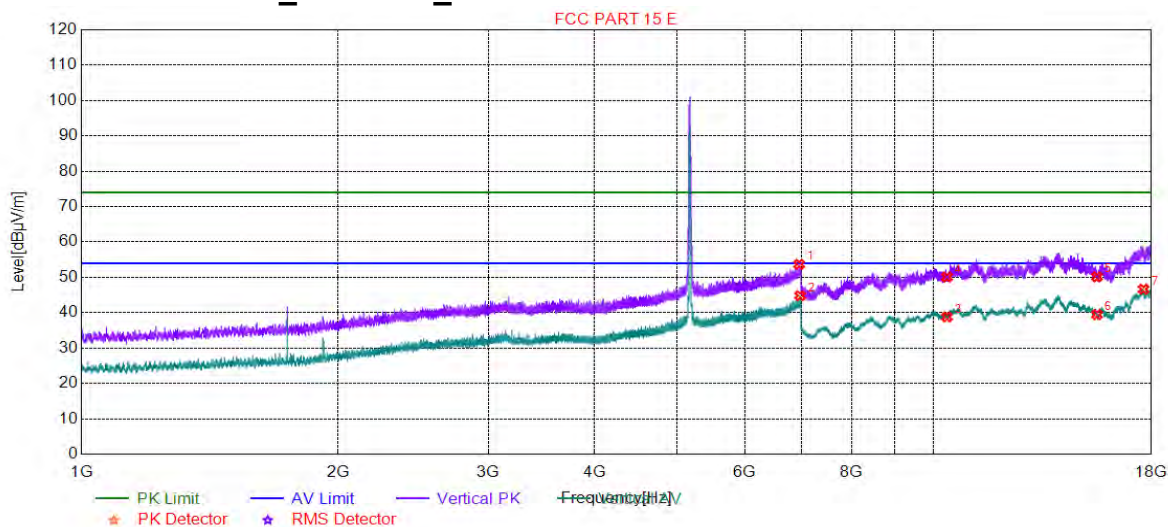


Suspected List								
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1	31.9410	14.62	-33.03	40.00	25.38	230	320	Horizontal
2	48.4392	14.06	-30.38	40.00	25.94	226	213	Horizontal
3	168.7794	17.03	-34.11	43.50	26.47	163	263	Horizontal
4	277.9590	22.13	-29.03	46.00	23.87	189	75	Horizontal
5	409.9450	23.18	-25.33	46.00	22.82	147	210	Horizontal
6	981.0755	28.10	-15.05	54.00	25.90	138	260	Horizontal



4.9.2 Transmitter emission above 1GHz

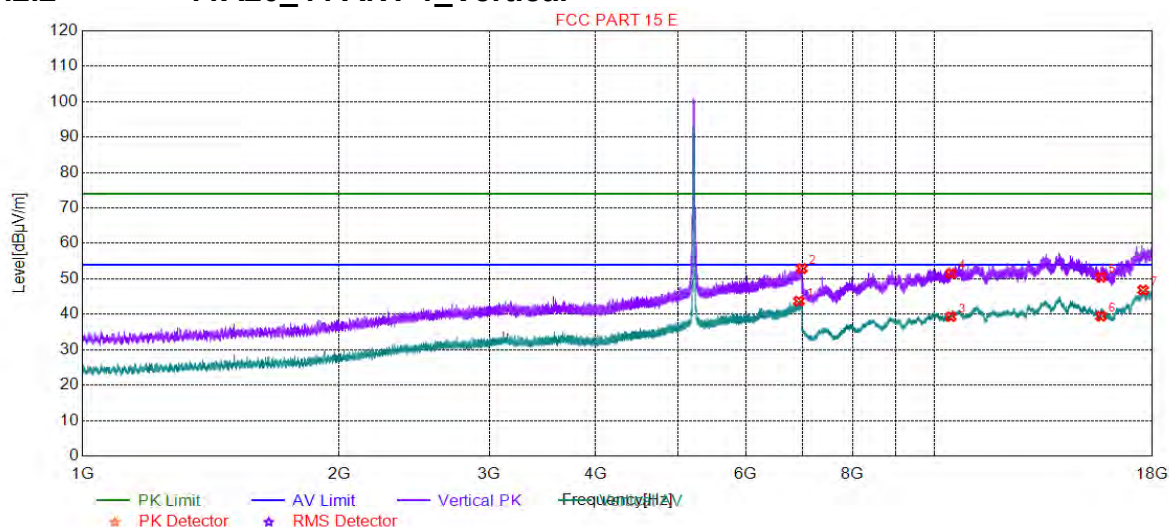
4.9.2.1 11A20_36 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6947.7974	53.68	21.33	74.00	20.32	207	144	Vertical
2	6966.9984	44.83	21.45	54.00	9.17	255	45	Vertical
3	10360.0000	38.82	-5.35	54.00	15.18	221	18	Vertical
4	10360.0000	50.08	-5.35	74.00	23.92	281	116	Vertical
5	15540.0000	50.15	-3.26	74.00	23.85	288	360	Vertical
6	15540.0000	39.48	-3.26	54.00	14.52	213	67	Vertical
7	17617.7309	46.65	1.17	54.00	7.35	250	67	Vertical



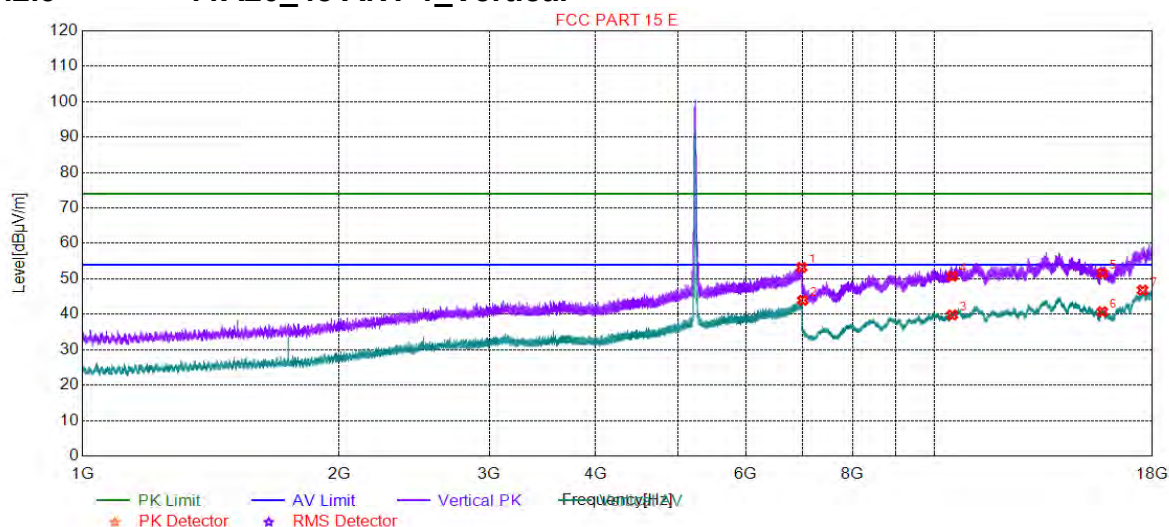
4.9.2.2 11A20_44 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6925.2963	43.73	21.19	54.00	10.27	297	242	Vertical
2	6980.4990	52.89	21.53	74.00	21.11	223	143	Vertical
3	10440.0000	39.35	-4.92	54.00	14.65	217	360	Vertical
4	10440.0000	51.51	-4.92	74.00	22.49	210	360	Vertical
5	15660.0000	50.49	-3.54	74.00	23.51	283	124	Vertical
6	15660.0000	39.46	-3.54	54.00	14.54	222	222	Vertical
7	17549.5275	46.83	0.98	54.00	7.17	266	173	Vertical



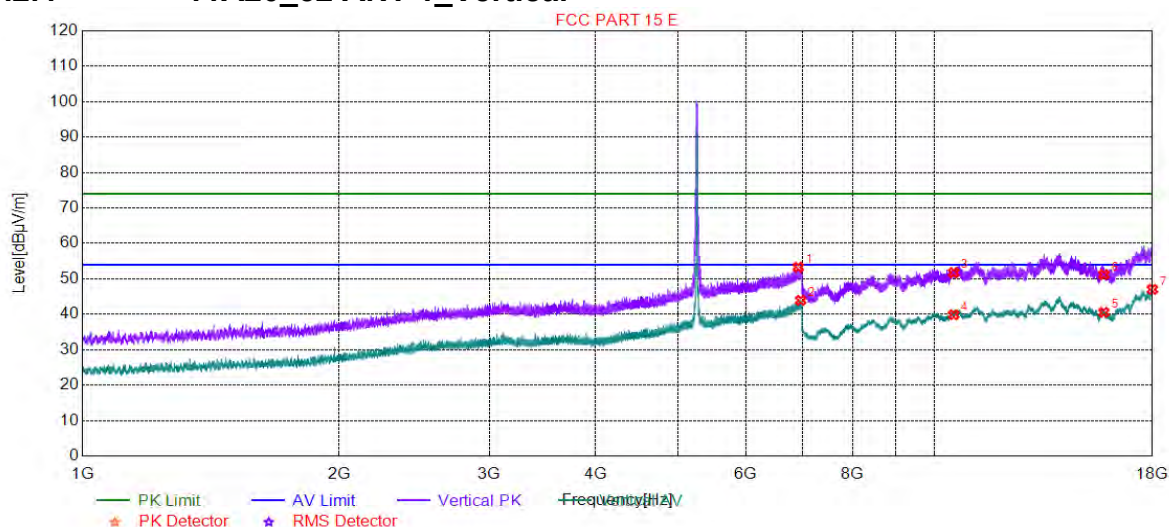
4.9.2.3 11A20_48 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6976.5988	53.23	21.50	74.00	20.77	267	93	Vertical
2	6998.1999	43.93	21.64	54.00	10.07	200	143	Vertical
3	10480.0000	39.80	-4.49	54.00	14.20	198	216	Vertical
4	10480.0000	50.72	-4.49	74.00	23.28	186	359	Vertical
5	15720.0000	51.59	-2.65	74.00	22.41	276	117	Vertical
6	15720.0000	40.73	-2.65	54.00	13.27	255	166	Vertical
7	17525.3263	46.77	0.67	54.00	7.23	285	315	Vertical



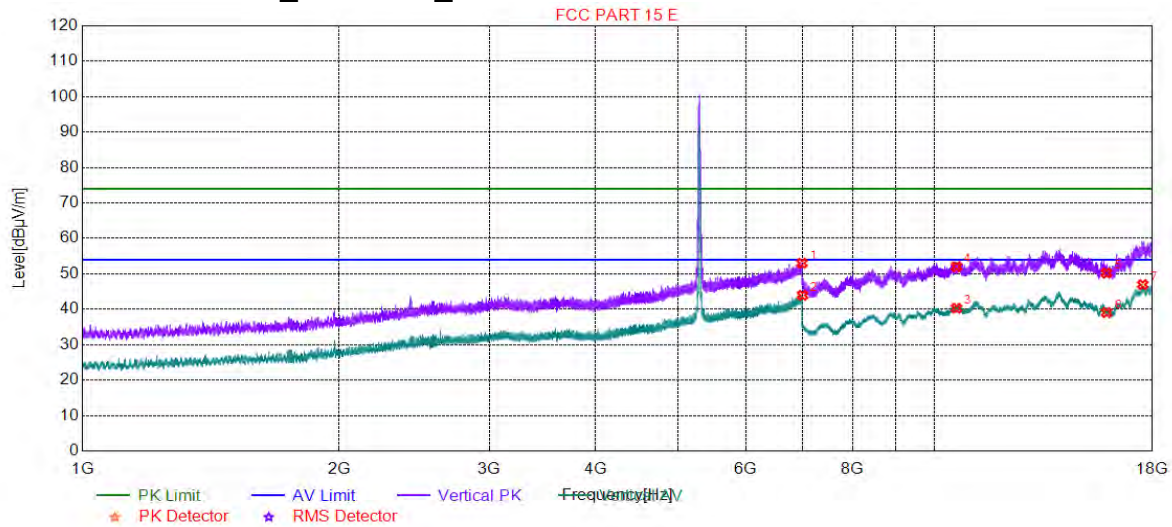
4.9.2.4 11A20_52 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6911.7956	53.30	21.10	74.00	20.70	230	1	Vertical
2	6959.4980	43.94	21.40	54.00	10.06	172	192	Vertical
3	10520.0000	51.76	-4.37	74.00	22.24	155	318	Vertical
4	10520.0000	39.87	-4.37	54.00	14.13	231	318	Vertical
5	15780.0000	40.53	-2.36	54.00	13.47	165	117	Vertical
6	15780.0000	51.19	-2.36	74.00	22.81	201	117	Vertical
7	17995.5998	47.04	-0.38	54.00	6.96	261	318	Vertical

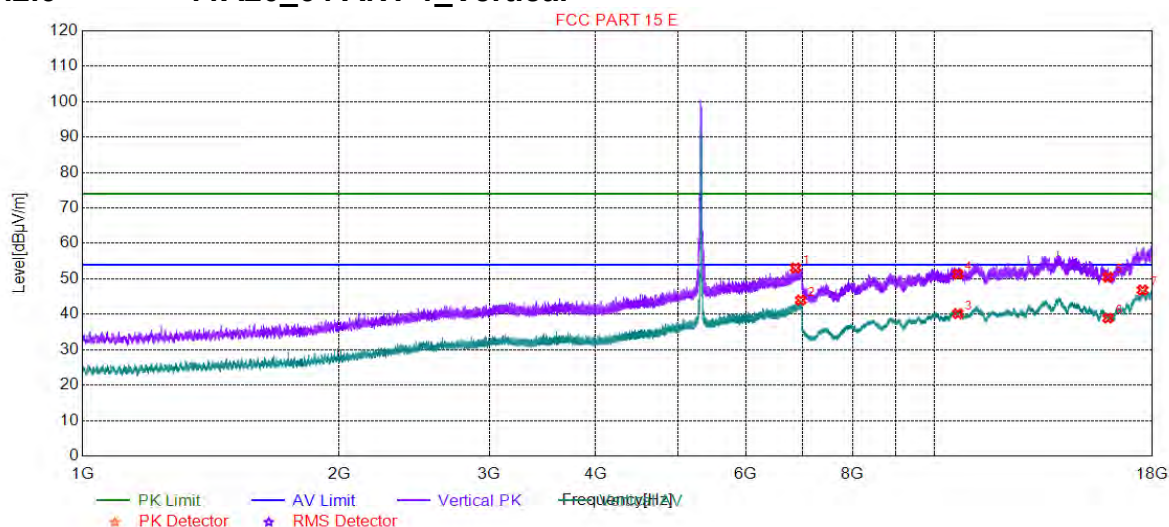


4.9.2.5 11A20_60 ANT 1_Vertical



Suspected List								
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1	6983.1992	53.00	21.55	74.00	21.00	158	0	Vertical
2	6993.3997	43.95	21.61	54.00	10.05	297	0	Vertical
3	10600.0000	40.29	-4.75	54.00	13.71	255	18	Vertical
4	10600.0000	52.03	-4.75	74.00	21.97	174	216	Vertical
5	15900.0000	50.20	-3.75	74.00	23.80	229	359	Vertical
6	15900.0000	39.08	-3.75	54.00	14.92	246	216	Vertical
7	17531.9266	46.96	0.76	54.00	7.04	224	216	Vertical

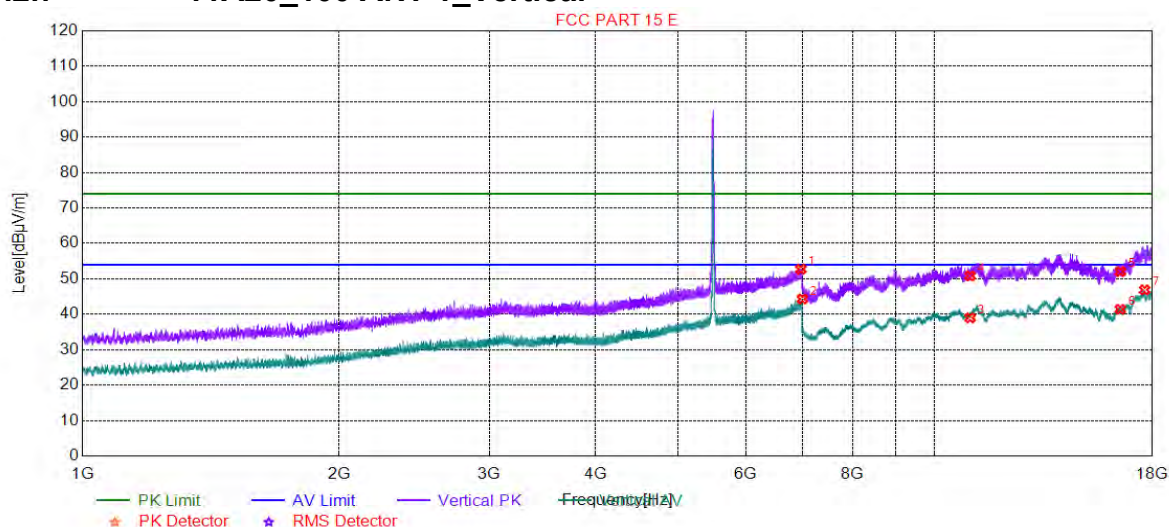
4.9.2.6 11A20_64 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6862.8931	53.11	20.91	74.00	20.89	223	92	Vertical
2	6961.2981	43.99	21.41	54.00	10.01	220	142	Vertical
3	10640.0000	40.16	-4.69	54.00	13.84	273	315	Vertical
4	10640.0000	51.36	-4.69	74.00	22.64	287	216	Vertical
5	15960.0000	50.49	-3.70	74.00	23.51	266	216	Vertical
6	15960.0000	38.92	-3.70	54.00	15.08	266	216	Vertical
7	17524.2262	46.82	0.66	54.00	7.18	253	166	Vertical



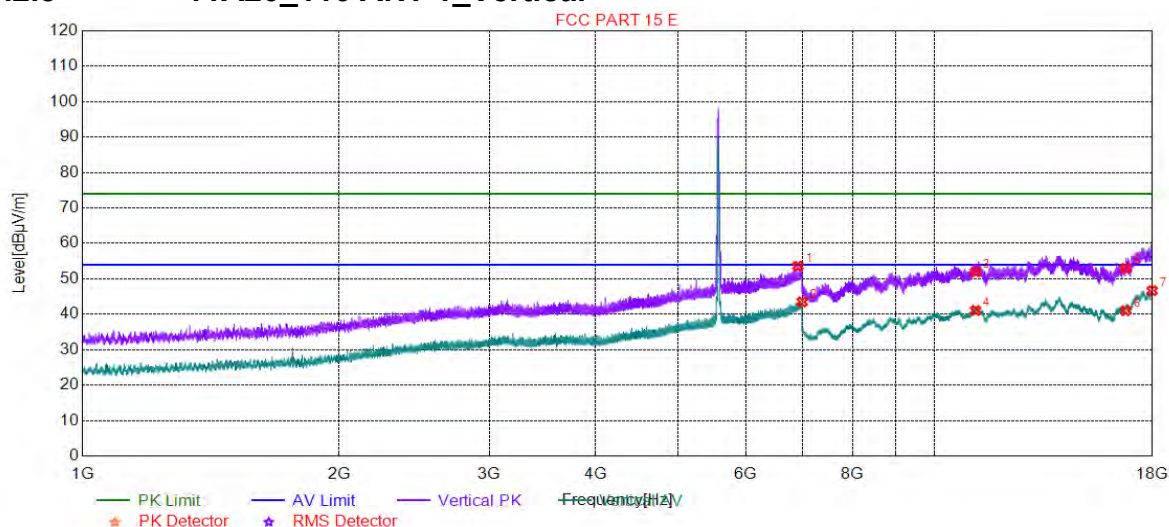
4.9.2.7 11A20_100 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6962.7981	52.73	21.42	74.00	21.27	180	292	Vertical
2	6990.3995	44.32	21.59	54.00	9.68	233	192	Vertical
3	11000.0000	39.01	-4.28	54.00	14.99	250	166	Vertical
4	11000.0000	50.84	-4.28	74.00	23.16	231	315	Vertical
5	16500.0000	52.08	-3.62	74.00	21.92	259	216	Vertical
6	16500.0000	41.41	-3.62	54.00	12.59	193	265	Vertical
7	17623.7812	46.89	1.01	54.00	7.11	214	67	Vertical



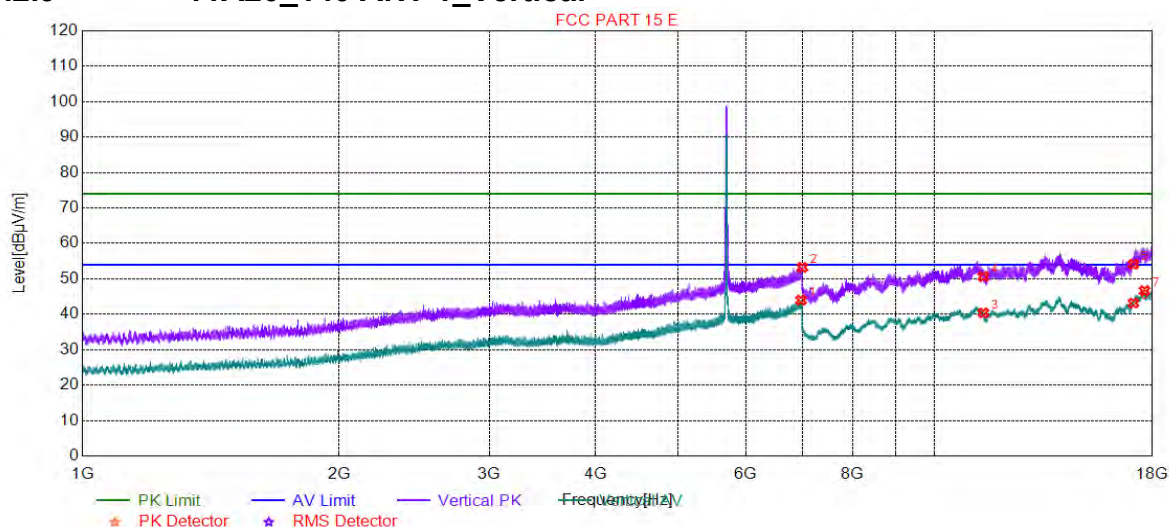
4.9.2.8 11A20_116 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6905.7953	53.61	21.07	74.00	20.39	153	84	Vertical
2	6985.8993	43.50	21.56	54.00	10.50	264	188	Vertical
3	11160.0000	51.97	-3.43	74.00	22.03	213	68	Vertical
4	11160.0000	41.08	-3.43	54.00	12.92	210	68	Vertical
5	16740.0000	52.99	-3.33	74.00	21.01	196	317	Vertical
6	16740.0000	41.01	-3.33	54.00	12.99	181	215	Vertical
7	17982.9491	46.65	-0.48	54.00	7.35	225	265	Vertical



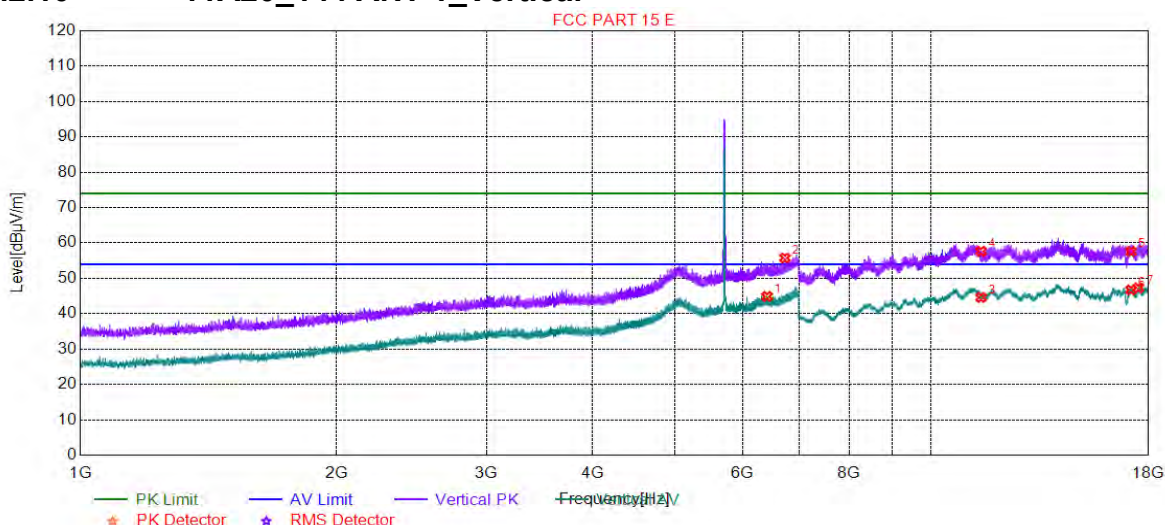
4.9.2.9 11A20_140 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6965.4983	43.98	21.44	54.00	10.02	285	93	Vertical
2	6989.1995	53.23	21.58	74.00	20.77	219	43	Vertical
3	11400.0000	40.38	-4.42	54.00	13.62	199	167	Vertical
4	11400.0000	50.65	-4.42	74.00	23.35	249	316	Vertical
5	17100.0000	54.14	-3.09	74.00	19.86	185	359	Vertical
6	17100.0000	43.17	-3.09	54.00	10.83	178	167	Vertical
7	17619.3810	46.64	1.13	54.00	7.36	177	68	Vertical



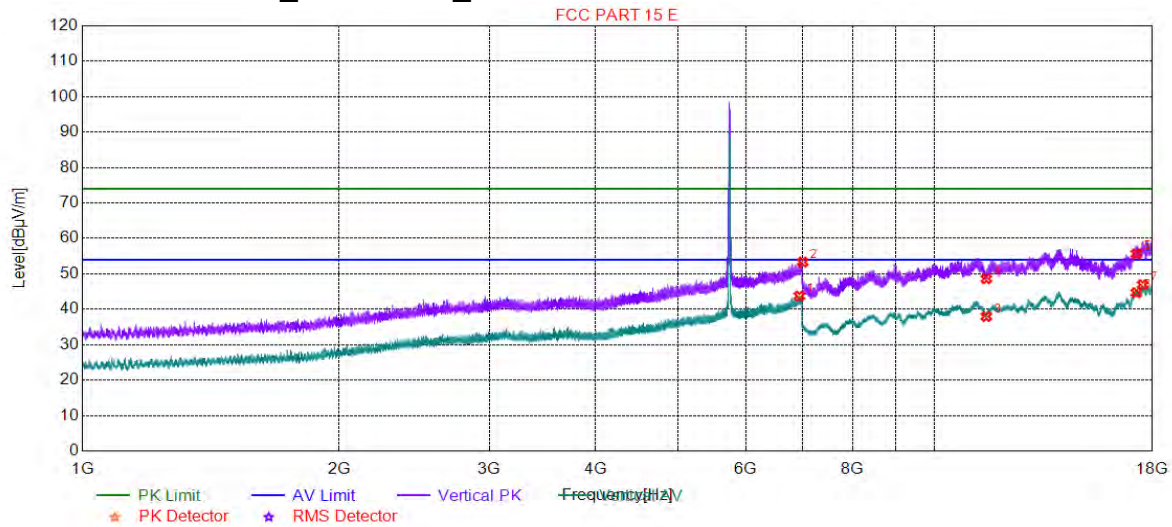
4.9.2.10 11A20_144 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6410.1705	44.88	22.69	54.00	9.12	236	169	Vertical
2	6729.9865	55.78	23.47	74.00	18.22	214	68	Vertical
3	11440.0000	44.60	2.93	54.00	9.40	321	168	Vertical
4	11440.0000	57.65	2.93	74.00	16.35	214	68	Vertical
5	17160.0000	57.60	2.26	74.00	16.40	288	268	Vertical
6	17160.0000	46.72	2.26	54.00	7.28	295	218	Vertical
7	17507.7254	47.31	3.03	54.00	6.69	214	168	Vertical

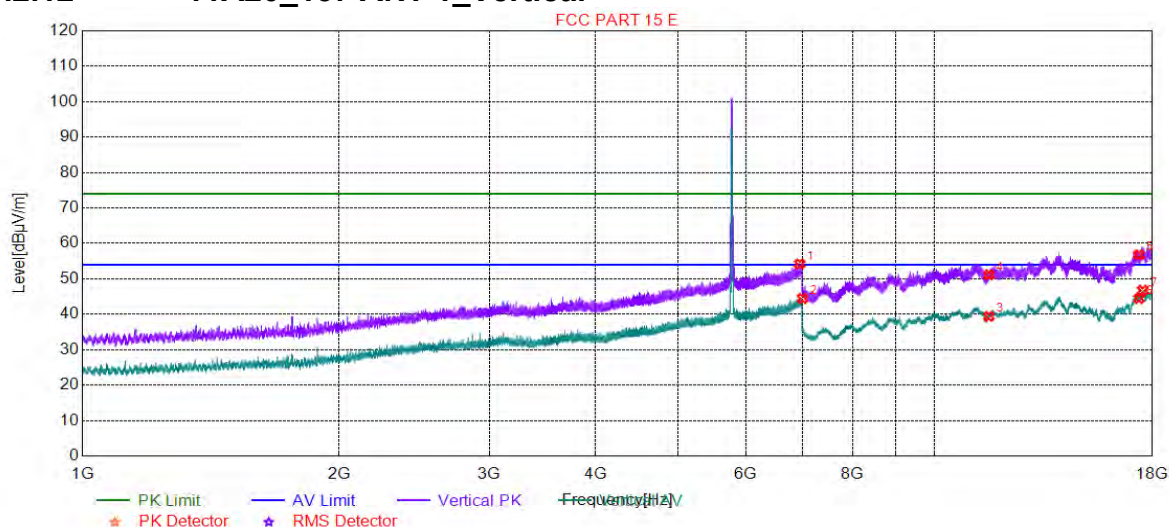


4.9.2.11 11A20_149 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6934.8967	43.75	21.25	54.00	10.25	233	92	Vertical
2	6997.2999	53.31	21.63	74.00	20.69	160	142	Vertical
3	11490.0000	37.96	-5.65	54.00	16.04	235	359	Vertical
4	11490.0000	48.61	-5.65	74.00	25.39	228	216	Vertical
5	17235.0000	55.65	-1.47	74.00	18.35	163	67	Vertical
6	17235.0000	44.67	-1.47	54.00	9.33	248	315	Vertical
7	17531.9266	46.96	0.76	54.00	7.04	295	216	Vertical

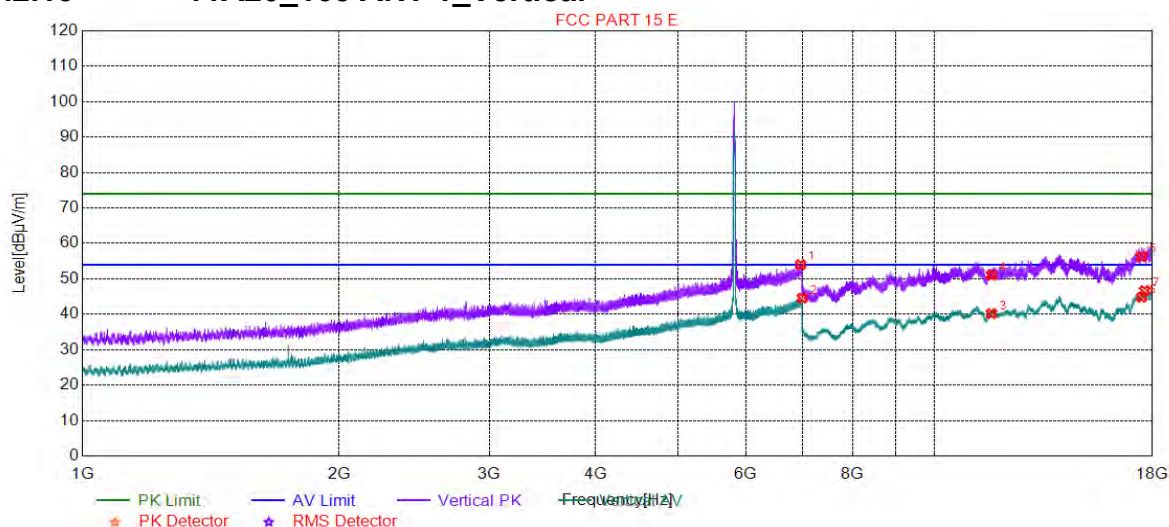
4.9.2.12 11A20_157 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6940.8970	54.22	21.28	74.00	19.78	297	144	Vertical
2	6993.6997	44.46	21.61	54.00	9.54	165	144	Vertical
3	11570.0000	39.43	-3.87	54.00	14.57	178	315	Vertical
4	11570.0000	51.14	-3.87	74.00	22.86	240	68	Vertical
5	17355.0000	56.82	-1.07	74.00	17.18	282	265	Vertical
6	17355.0000	44.44	-1.07	54.00	9.56	204	117	Vertical
7	17528.6264	46.75	0.72	54.00	7.25	229	265	Vertical



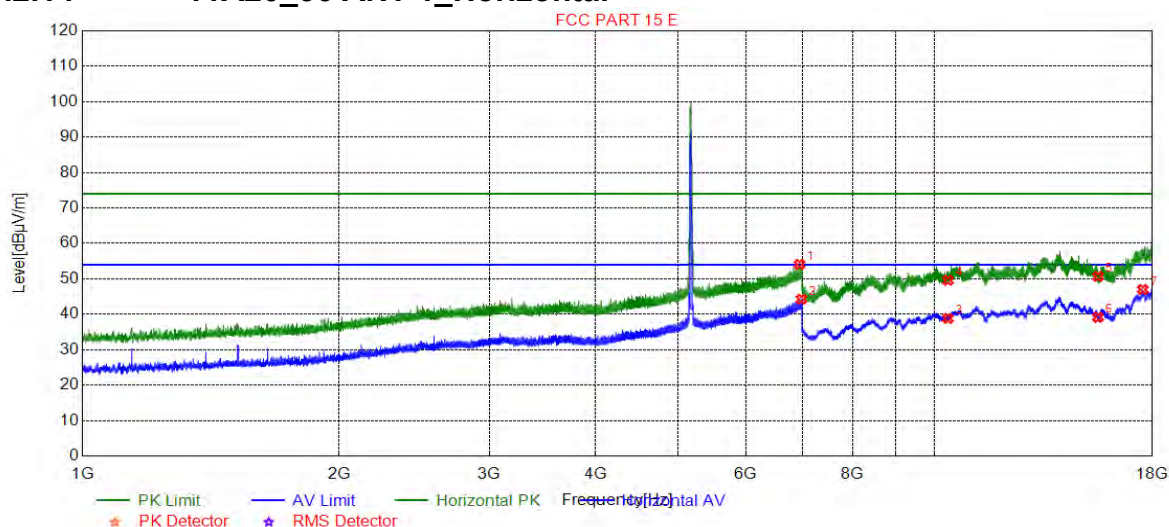
4.9.2.13 11A20_165 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6958.5979	54.00	21.39	74.00	20.00	199	92	Vertical
2	6989.4995	44.59	21.58	54.00	9.41	255	192	Vertical
3	11650.0000	40.20	-3.16	54.00	13.80	282	18	Vertical
4	11650.0000	51.06	-3.16	74.00	22.94	158	265	Vertical
5	17475.0000	56.32	0.02	74.00	17.68	257	359	Vertical
6	17475.0000	44.82	0.02	54.00	9.18	234	18	Vertical
7	17623.7812	46.66	1.01	54.00	7.34	254	265	Vertical

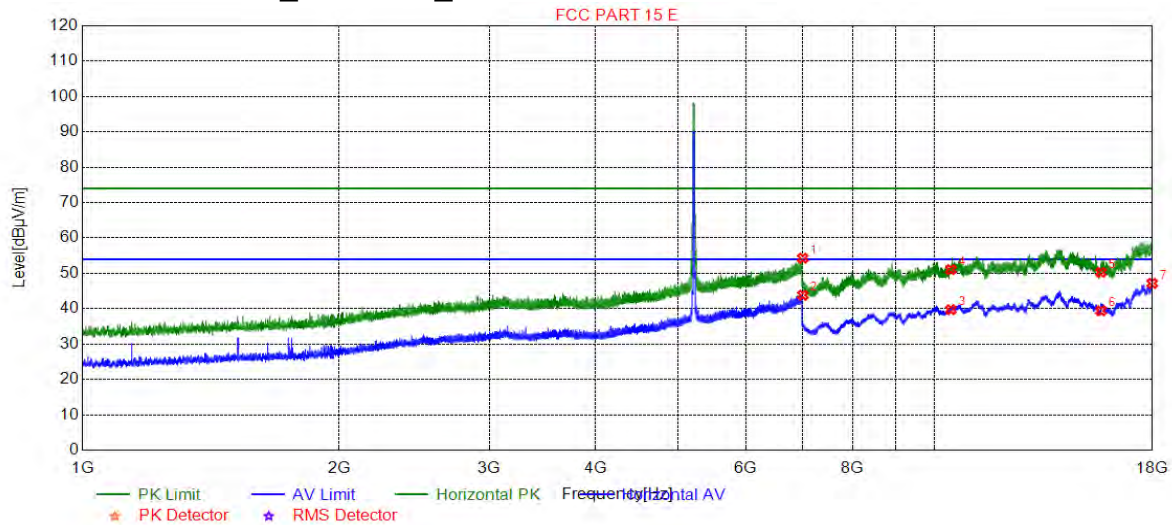


4.9.2.14 11A20_36 ANT 1_Horizontal



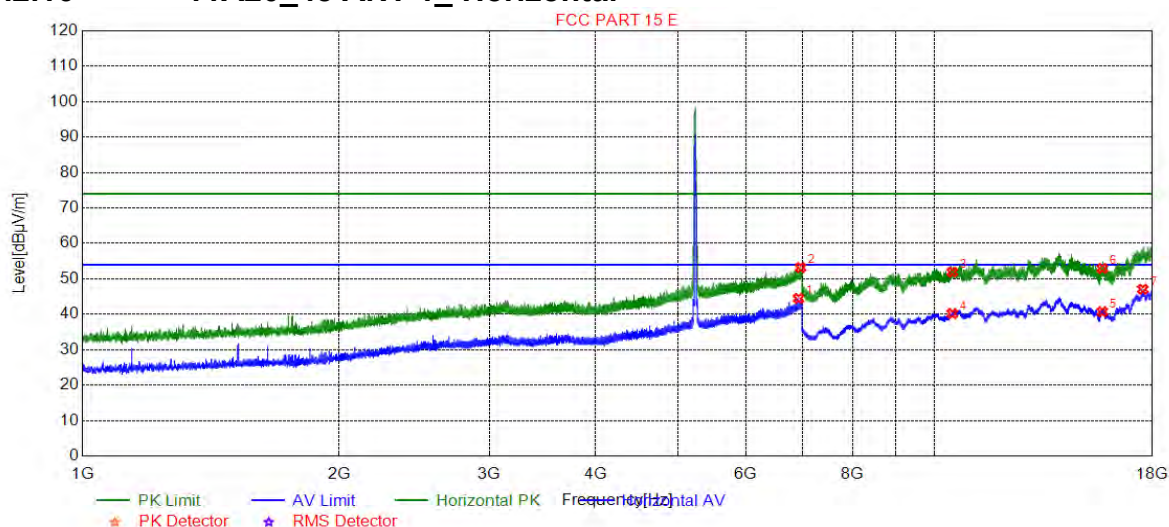
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6937.2969	54.09	21.26	74.00	19.91	145	359	Horizontal
2	6973.2987	44.29	21.48	54.00	9.71	211	359	Horizontal
3	10360.0000	38.85	-5.35	54.00	15.15	227	243	Horizontal
4	10360.0000	49.57	-5.35	74.00	24.43	166	293	Horizontal
5	15540.0000	50.68	-3.26	74.00	23.32	111	243	Horizontal
6	15540.0000	39.15	-3.26	54.00	14.85	238	342	Horizontal
7	17537.9769	47.00	0.84	54.00	7.00	175	1	Horizontal

4.9.2.15 11A20_44 ANT 1_ Horizontal



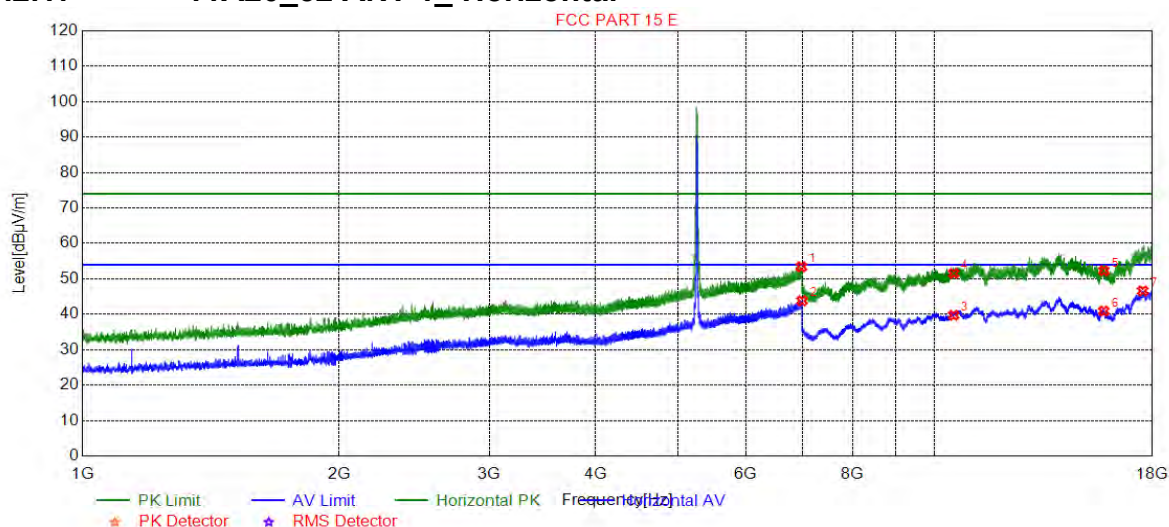
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6997.2999	54.29	21.63	74.00	19.71	246	266	Horizontal
2	6999.7000	43.84	21.65	54.00	10.16	242	68	Horizontal
3	10440.0000	39.74	-4.92	54.00	14.26	154	45	Horizontal
4	10440.0000	51.05	-4.92	74.00	22.95	177	1	Horizontal
5	15660.0000	50.29	-3.54	74.00	23.71	247	45	Horizontal
6	15660.0000	39.44	-3.54	54.00	14.56	121	292	Horizontal
7	17985.6993	47.16	-0.46	54.00	6.84	191	143	Horizontal

4.9.2.16 11A20_48 ANT 1_ Horizontal



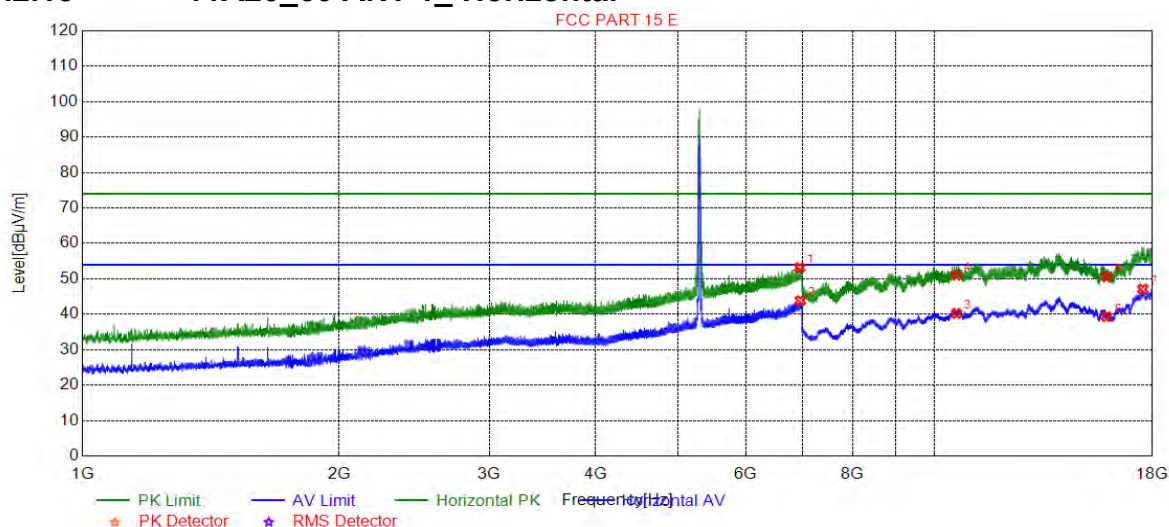
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6917.7959	44.47	21.14	54.00	9.53	180	118	Horizontal
2	6957.3979	53.19	21.39	74.00	20.81	107	316	Horizontal
3	10480.0000	51.93	-4.49	74.00	22.07	196	342	Horizontal
4	10480.0000	40.18	-4.49	54.00	13.82	130	42	Horizontal
5	15720.0000	40.72	-2.65	54.00	13.28	126	342	Horizontal
6	15720.0000	52.94	-2.65	74.00	21.06	134	0	Horizontal
7	17534.1267	47.08	0.79	54.00	6.92	224	292	Horizontal

4.9.2.17 11A20_52 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6972.3986	53.41	21.48	74.00	20.59	104	68	Horizontal
2	6984.6992	43.82	21.56	54.00	10.18	181	117	Horizontal
3	10520.0000	39.72	-4.37	54.00	14.28	131	91	Horizontal
4	10520.0000	51.53	-4.37	74.00	22.47	135	142	Horizontal
5	15780.0000	52.29	-2.36	74.00	21.71	237	91	Horizontal
6	15780.0000	40.91	-2.36	54.00	13.09	131	292	Horizontal
7	17531.3766	46.60	0.75	54.00	7.40	195	142	Horizontal

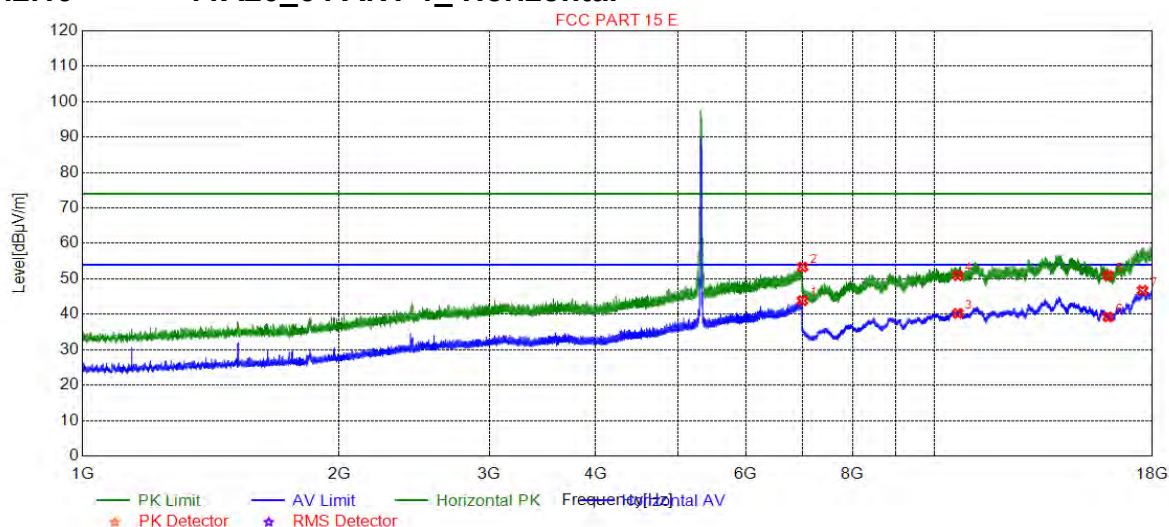
4.9.2.18 11A20_60 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6939.6970	53.17	21.28	74.00	20.83	128	71	Horizontal
2	6951.9976	43.87	21.35	54.00	10.13	223	120	Horizontal
3	10600.0000	40.23	-4.75	54.00	13.77	192	342	Horizontal
4	10600.0000	51.03	-4.75	74.00	22.97	241	292	Horizontal
5	15900.0000	50.55	-3.75	74.00	23.45	109	94	Horizontal
6	15900.0000	39.32	-3.75	54.00	14.68	180	144	Horizontal
7	17534.1267	47.11	0.79	54.00	6.89	242	94	Horizontal



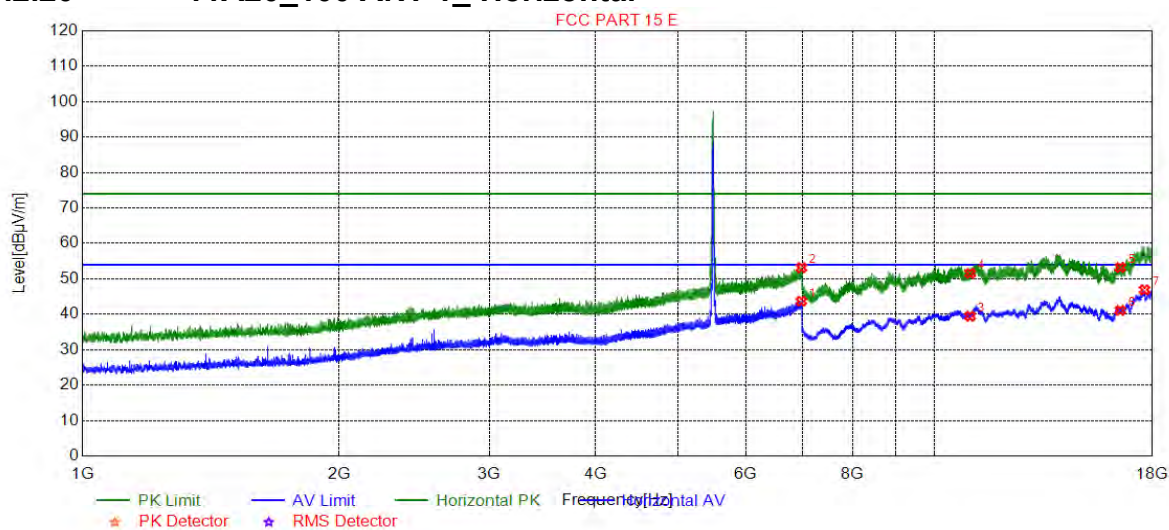
4.9.2.19 11A20_64 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6992.7996	43.86	21.61	54.00	10.14	167	167	Horizontal
2	6995.1998	53.33	21.62	74.00	20.67	228	316	Horizontal
3	10640.0000	40.26	-4.69	54.00	13.74	246	192	Horizontal
4	10640.0000	50.95	-4.69	74.00	23.05	124	290	Horizontal
5	15960.0000	50.92	-3.70	74.00	23.08	152	90	Horizontal
6	15960.0000	39.24	-3.70	54.00	14.76	218	290	Horizontal
7	17524.7762	46.72	0.67	54.00	7.28	149	241	Horizontal



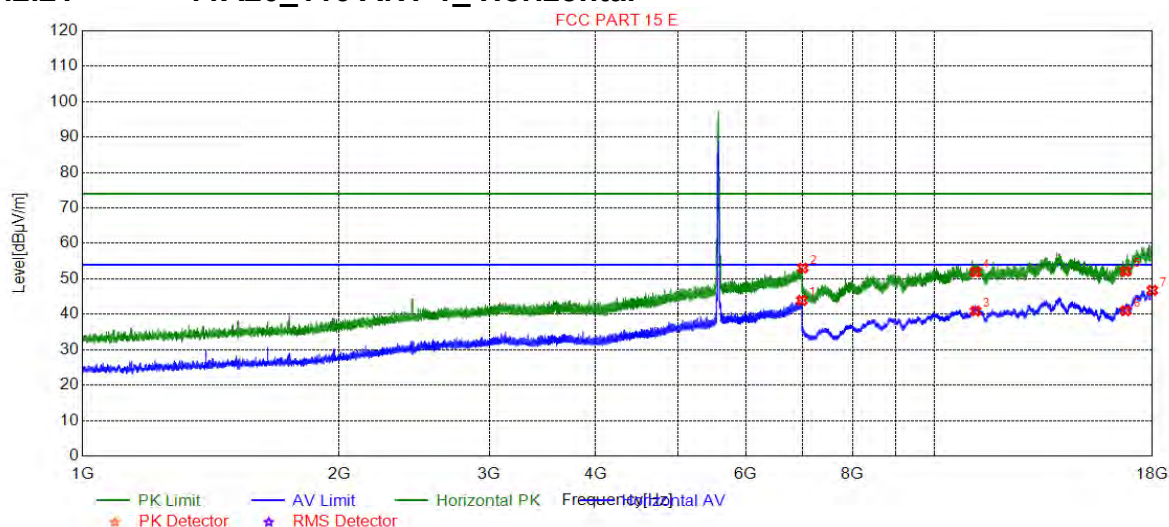
4.9.2.20 11A20_100 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6971.4986	43.70	21.47	54.00	10.30	186	360	Horizontal
2	6972.9987	53.16	21.48	74.00	20.84	141	169	Horizontal
3	11000.0000	39.46	-4.28	54.00	14.54	108	94	Horizontal
4	11000.0000	51.56	-4.28	74.00	22.44	137	144	Horizontal
5	16500.0000	53.22	-3.62	74.00	20.78	140	45	Horizontal
6	16500.0000	41.11	-3.62	54.00	12.89	184	193	Horizontal
7	17620.4810	46.89	1.10	54.00	7.11	128	94	Horizontal



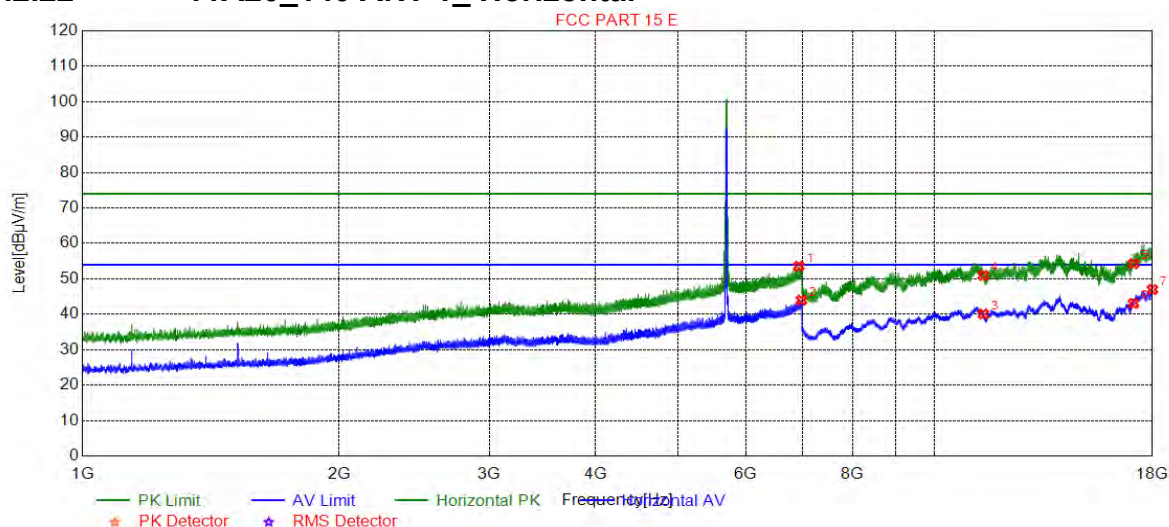
4.9.2.21 11A20_116 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6982.2991	43.92	21.54	54.00	10.08	139	118	Horizontal
2	6998.7999	53.06	21.64	74.00	20.94	248	118	Horizontal
3	11160.0000	40.93	-3.43	54.00	13.07	131	342	Horizontal
4	11160.0000	51.95	-3.43	74.00	22.05	102	194	Horizontal
5	16740.0000	52.14	-3.33	74.00	21.86	109	145	Horizontal
6	16740.0000	41.01	-3.33	54.00	12.99	129	95	Horizontal
7	17993.3997	46.75	-0.40	54.00	7.25	233	292	Horizontal



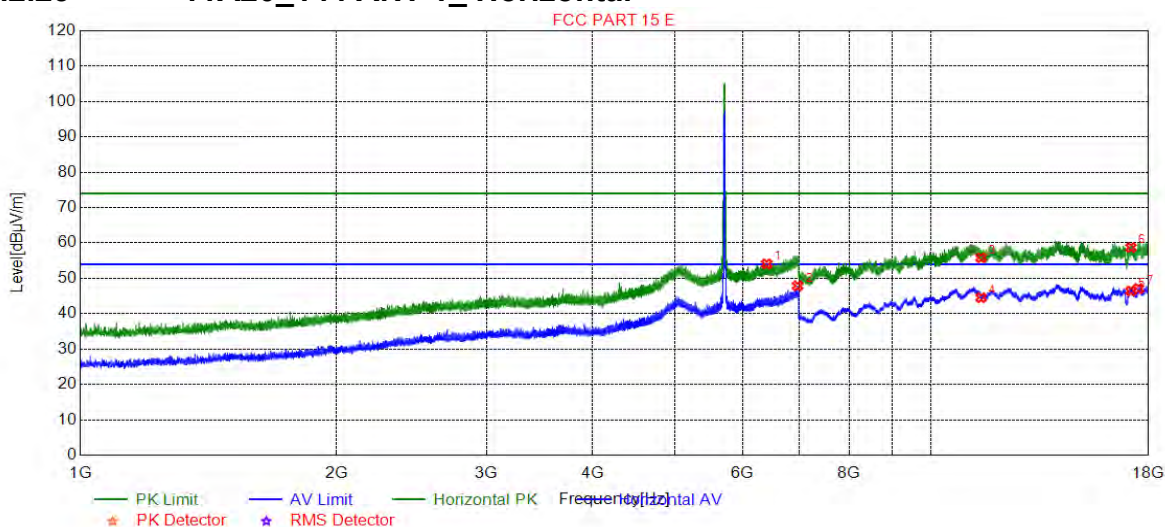
4.9.2.22 11A20_140 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6924.3962	53.57	21.18	74.00	20.43	193	118	Horizontal
2	6973.2987	43.99	21.48	54.00	10.01	176	217	Horizontal
3	11400.0000	40.08	-4.42	54.00	13.92	194	194	Horizontal
4	11400.0000	50.99	-4.42	74.00	23.01	121	145	Horizontal
5	17100.0000	54.27	-3.09	74.00	19.73	194	194	Horizontal
6	17100.0000	43.07	-3.09	54.00	10.93	205	194	Horizontal
7	17998.8999	46.99	-0.36	54.00	7.01	111	244	Horizontal



4.9.2.23 11A20_144 ANT 1_ Horizontal

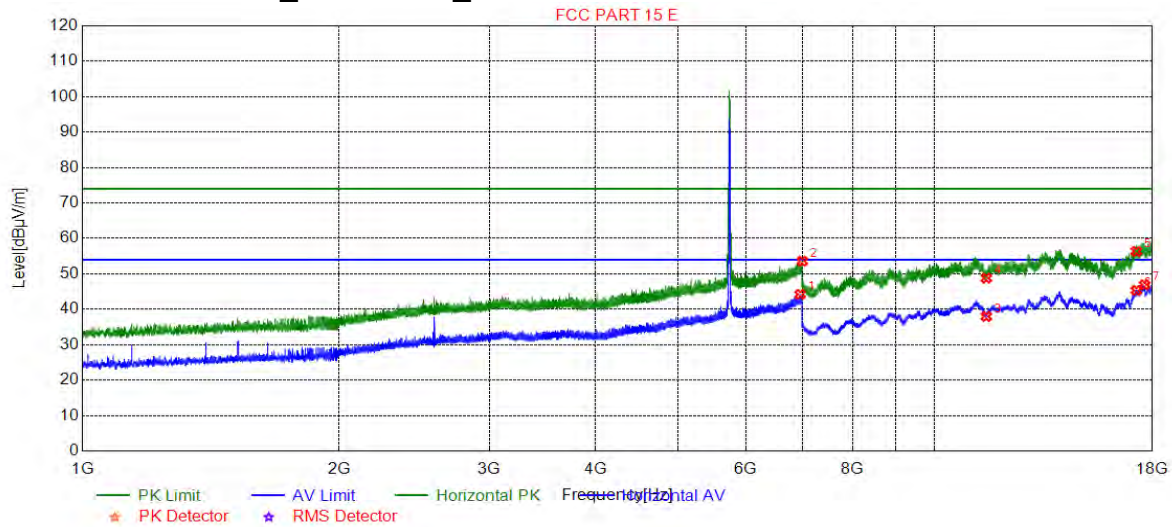


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6403.5702	54.07	22.72	74.00	19.93	268	241	Horizontal
2	6963.6982	47.88	24.95	54.00	6.12	186	41	Horizontal
3	11440.0000	55.84	2.93	74.00	18.16	204	243	Horizontal
4	11440.0000	44.55	2.93	54.00	9.45	211	93	Horizontal
5	17160.0000	46.46	2.26	54.00	7.54	236	0	Horizontal
6	17160.0000	58.73	2.26	74.00	15.27	214	292	Horizontal
7	17514.3257	47.13	3.12	54.00	6.87	213	93	Horizontal



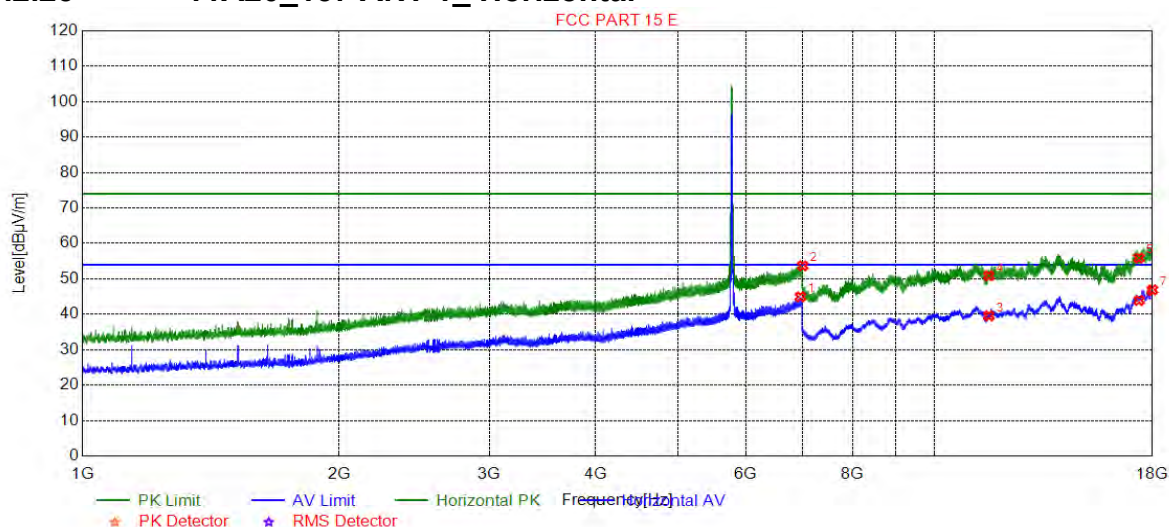
4.9.2.24 11A20_149 ANT 1_ Horizontal



Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6947.7974	44.21	21.33	54.00	9.79	238	168	Horizontal
2	6986.4993	53.57	21.57	74.00	20.43	217	68	Horizontal
3	11490.0000	37.97	-5.65	54.00	16.03	189	193	Horizontal
4	11490.0000	48.79	-5.65	74.00	25.21	222	192	Horizontal
5	17235.0000	56.36	-1.47	74.00	17.64	102	290	Horizontal
6	17235.0000	45.33	-1.47	54.00	8.67	229	45	Horizontal
7	17620.4810	46.89	1.10	54.00	7.11	185	94	Horizontal

4.9.2.25 11A20_157 ANT 1_ Horizontal

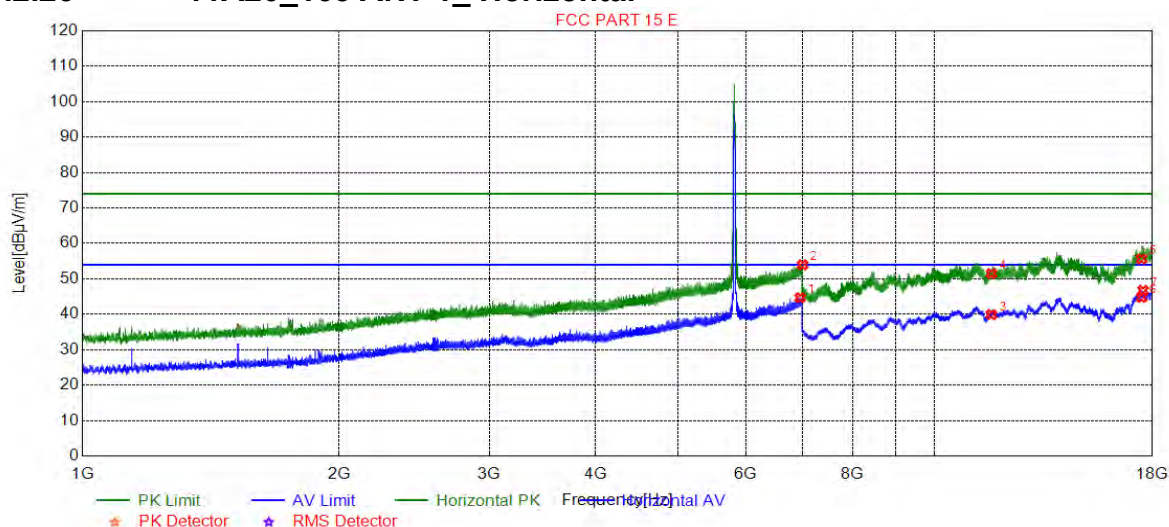


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6952.2976	44.95	21.35	54.00	9.05	180	169	Horizontal
2	6996.0998	53.69	21.63	74.00	20.31	170	169	Horizontal
3	11570.0000	39.58	-3.87	54.00	14.42	170	145	Horizontal
4	11570.0000	50.87	-3.87	74.00	23.13	117	243	Horizontal
5	17355.0000	55.89	-1.07	74.00	18.11	174	94	Horizontal
6	17355.0000	43.90	-1.07	54.00	10.10	145	342	Horizontal
7	17993.9497	46.88	-0.40	54.00	7.12	114	145	Horizontal



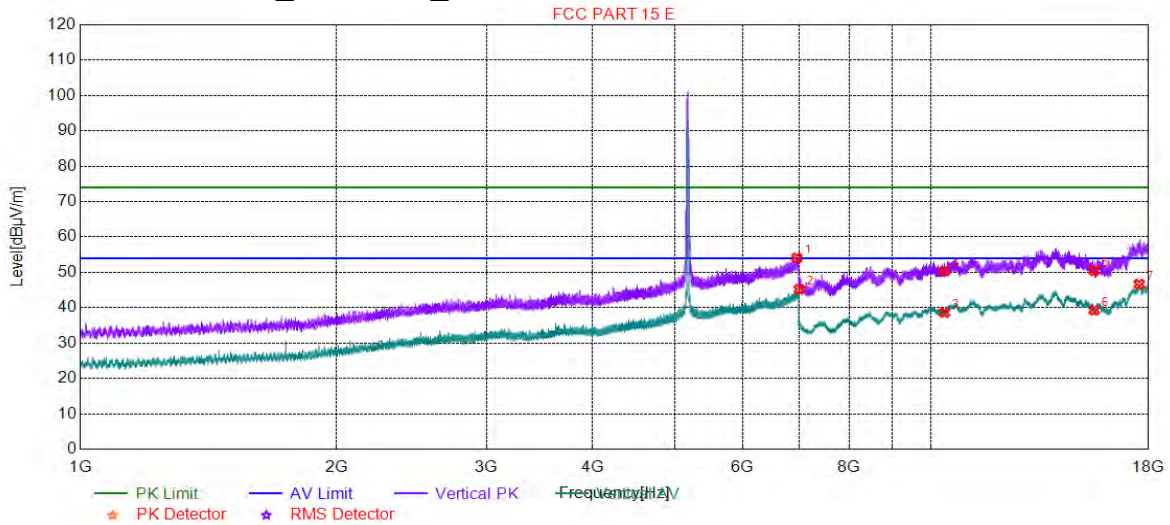
4.9.2.26 11A20_165 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6947.7974	44.67	21.33	54.00	9.33	109	266	Horizontal
2	6993.9997	53.95	21.61	74.00	20.05	183	266	Horizontal
3	11650.0000	39.92	-3.16	54.00	14.08	211	45	Horizontal
4	11650.0000	51.51	-3.16	74.00	22.49	106	193	Horizontal
5	17475.0000	55.60	0.02	74.00	18.40	167	342	Horizontal
6	17475.0000	44.74	0.02	54.00	9.26	121	292	Horizontal
7	17543.4772	46.73	0.91	54.00	7.27	128	1	Horizontal



4.9.2.27 11N20_36 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6948.9975	54.08	21.33	74.00	19.92	282	0	Vertical
2	6994.2997	45.19	21.61	54.00	8.81	203	0	Vertical
3	10360.0000	38.63	-5.35	54.00	15.37	273	117	Vertical
4	10360.0000	50.33	-5.35	74.00	23.67	275	359	Vertical
5	15540.0000	50.47	-3.26	74.00	23.53	199	314	Vertical
6	15540.0000	39.27	-3.26	54.00	14.73	152	166	Vertical
7	17547.8774	46.65	0.96	54.00	7.35	264	359	Vertical

