

4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Test Result

4.1.1 Ref

Mode	TX Type	Frequency (MHz)	RU	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	1	13.81
		2437	/	1	14.56
		2462	/	1	14.42
802.11g	SISO	2412	/	1	11.02
		2437	/	1	11.24
		2462	/	1	11.54
802.11n (HT20)	MIMO	2412	/	1	10.90
		2437	/	1	11.07
		2462	/	1	11.39
802.11n (HT40)	MIMO	2422	/	1	6.25
		2437	/	1	6.07
		2452	/	1	6.17
802.11ax (HEW20)	MIMO	2412	SU	1	9.03
		2437	SU	1	9.04
		2462	SU	1	9.26
802.11ax (HEW40)	MIMO	2422	SU	1	6.21
		2437	SU	1	6.05
		2452	SU	1	5.71
802.11be (EHT20)	MIMO	2412	SU	1	8.79
		2437	SU	1	8.83
		2462	SU	1	9.09
802.11be (EHT40)	MIMO	2422	SU	1	5.64
		2437	SU	1	5.89
		2452	SU	1	5.67

4.1.2 CSE

Mode	TX Type	Frequency (MHz)	RU	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	1	14.56	-15.44	Pass
		2437	/	1	14.56	-15.44	Pass
		2462	/	1	14.56	-15.44	Pass
802.11g	SISO	2412	/	1	11.54	-18.46	Pass
		2437	/	1	11.54	-18.46	Pass
		2462	/	1	11.54	-18.46	Pass
802.11n (HT20)	MIMO	2412	/	1	11.39	-18.61	Pass
		2437	/	1	11.39	-18.61	Pass
		2462	/	1	11.39	-18.61	Pass
802.11n (HT40)	MIMO	2422	/	1	6.25	-23.75	Pass
		2437	/	1	6.25	-23.75	Pass
		2452	/	1	6.25	-23.75	Pass
802.11ax (HEW20)	MIMO	2412	SU	1	9.26	-20.74	Pass
		2437	SU	1	9.26	-20.74	Pass
		2462	SU	1	9.26	-20.74	Pass
802.11ax (HEW40)	MIMO	2422	SU	1	6.21	-23.79	Pass
		2437	SU	1	6.21	-23.79	Pass



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Report No.: SUCR250600052506

Rev.: 01

Page: 115 of 224

		2452	SU	1	6.21	-23.79	Pass
802.11be (EHT20)	MIMO	2412	SU	1	9.09	-20.91	Pass
		2437	SU	1	9.09	-20.91	Pass
		2462	SU	1	9.09	-20.91	Pass
		2422	SU	1	5.89	-24.11	Pass
802.11be (EHT40)	MIMO	2437	SU	1	5.89	-24.11	Pass
		2452	SU	1	5.89	-24.11	Pass

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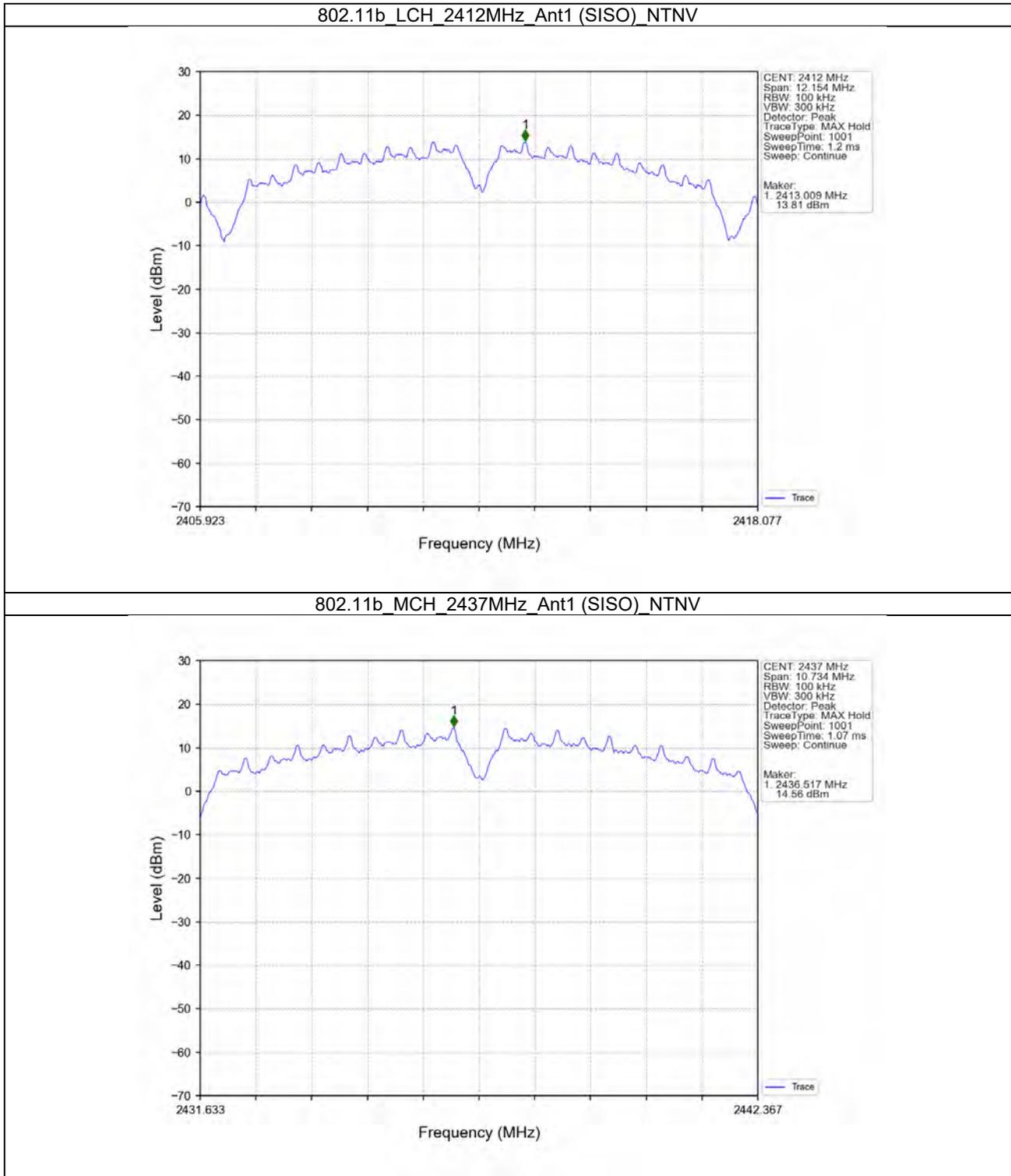
Report No.: SUCR250600052506

Rev.: 01

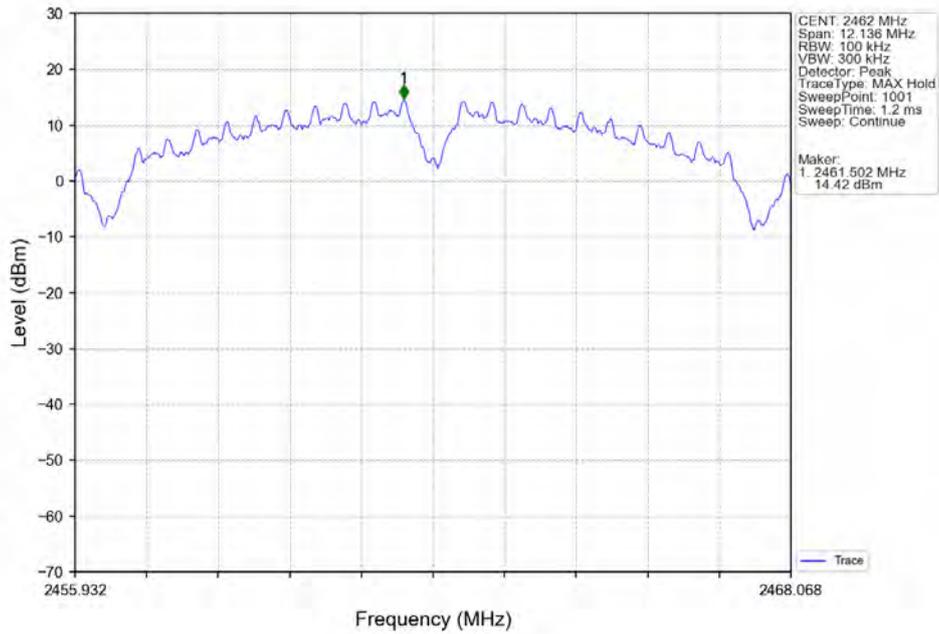
Page: 116 of 224

4.2 Test Graph

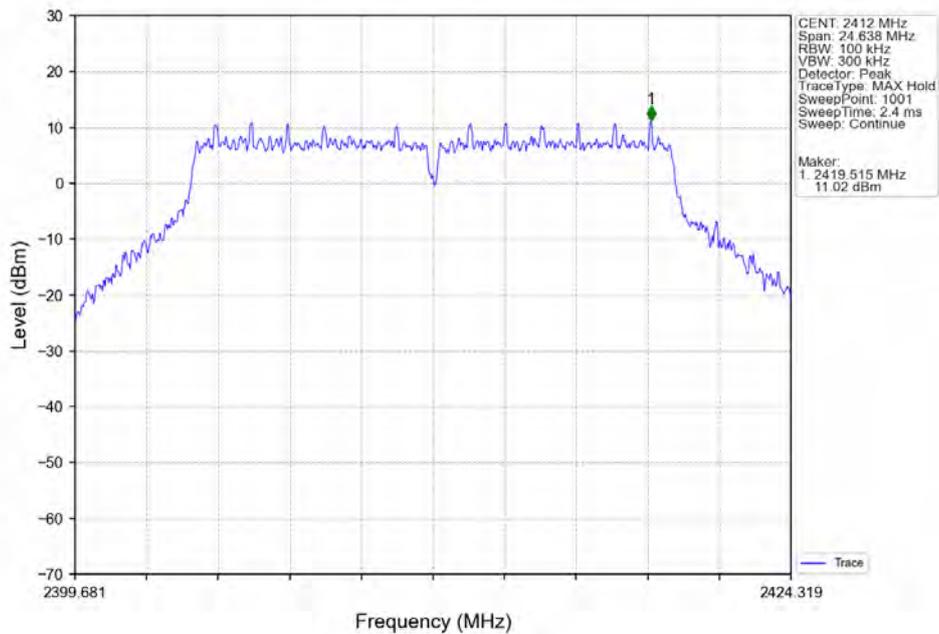
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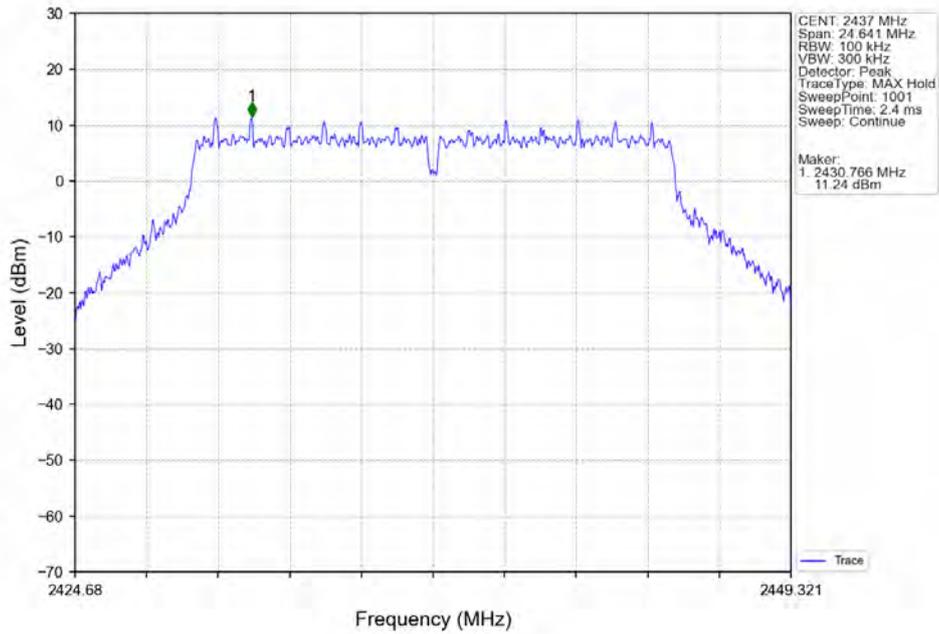
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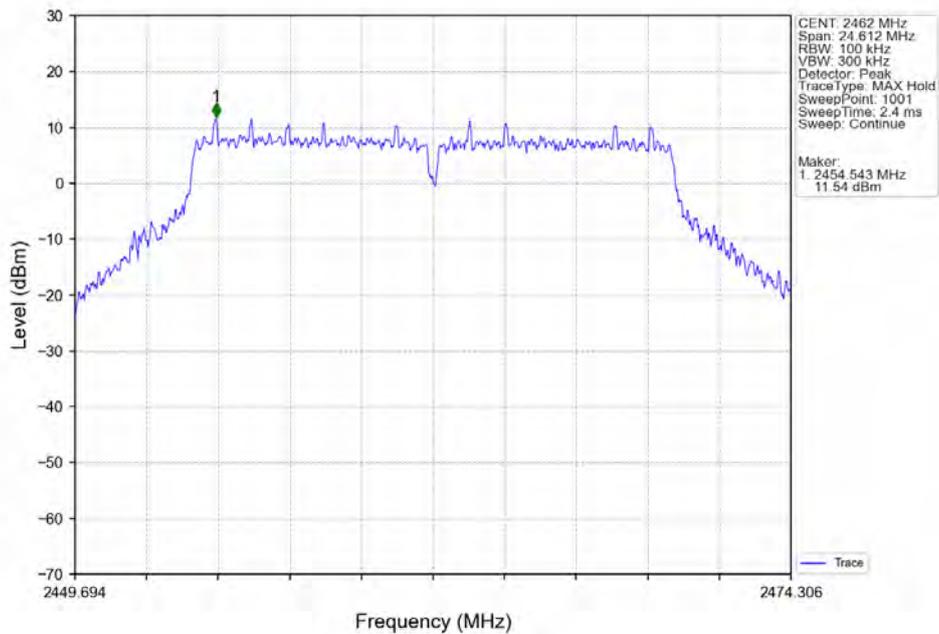
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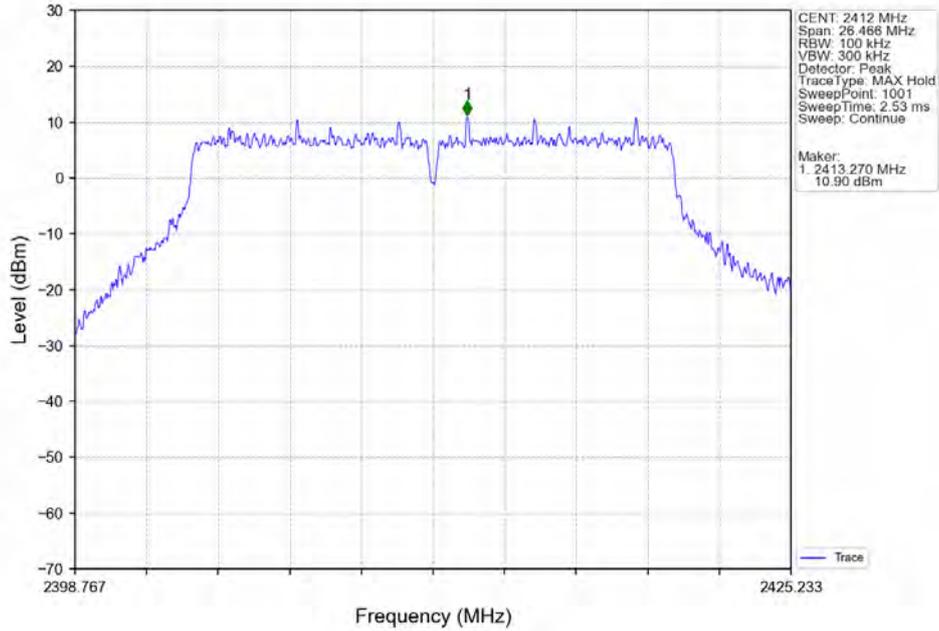
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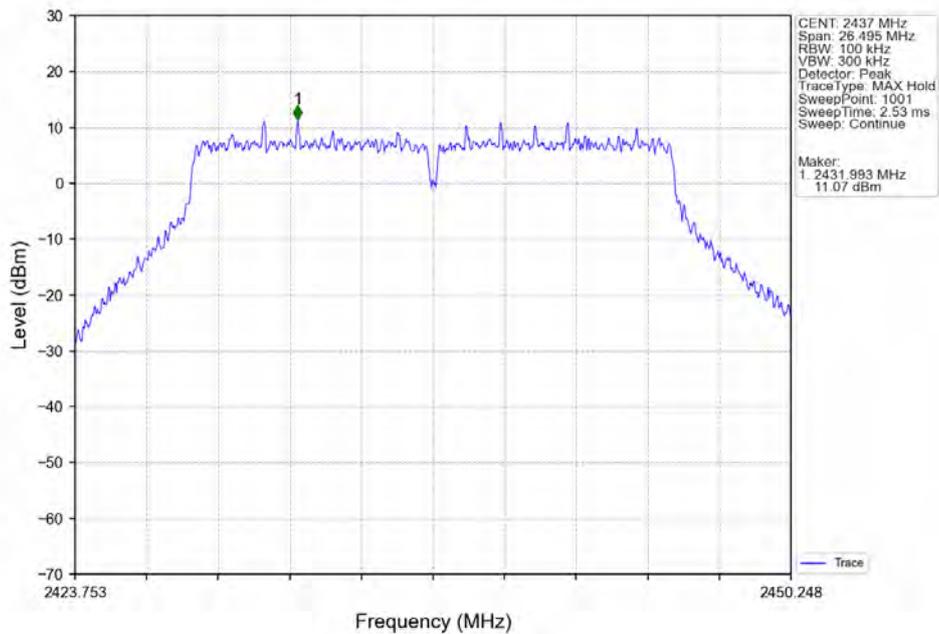
Rev.: 01

Page: 119 of 224

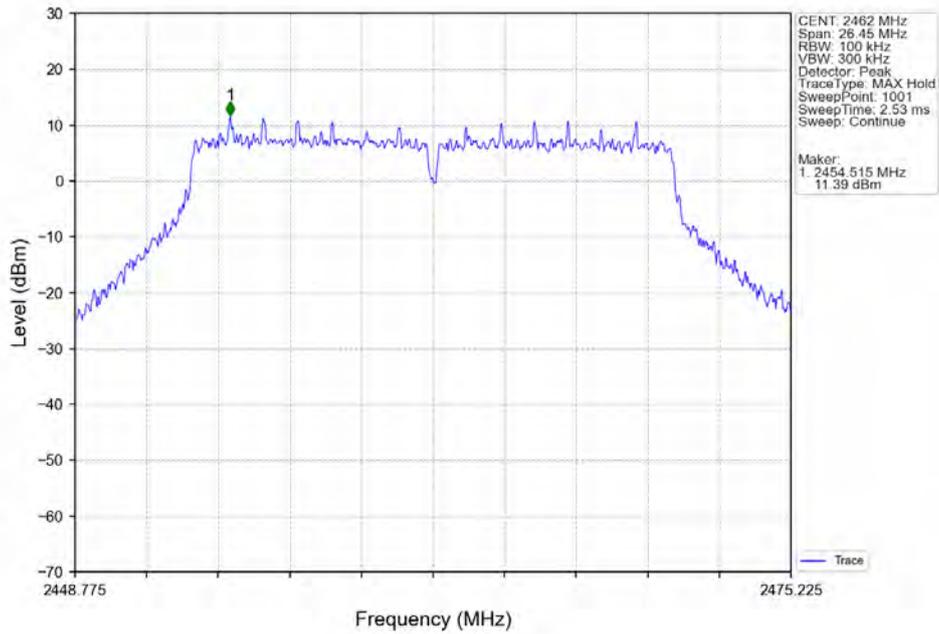
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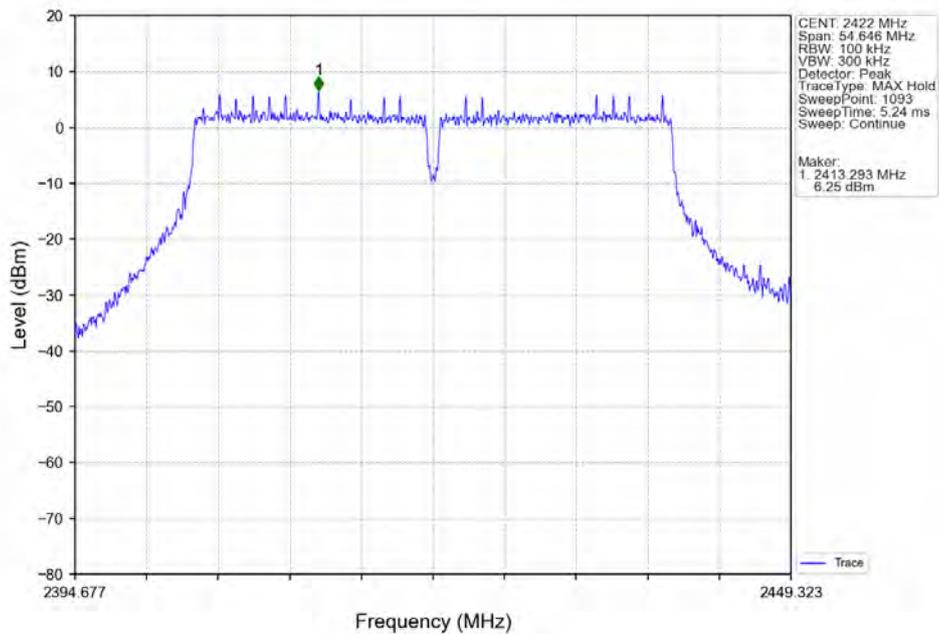
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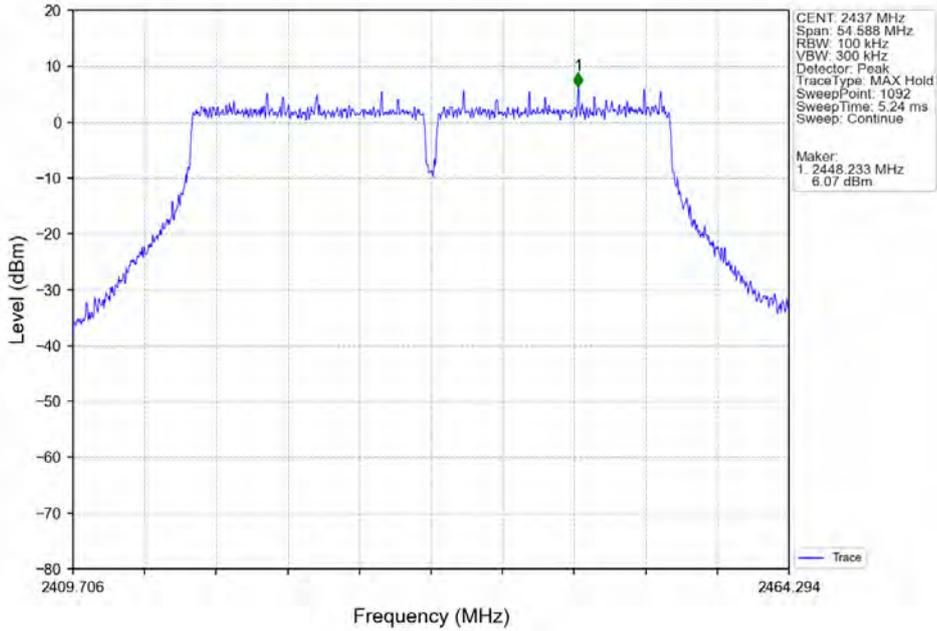
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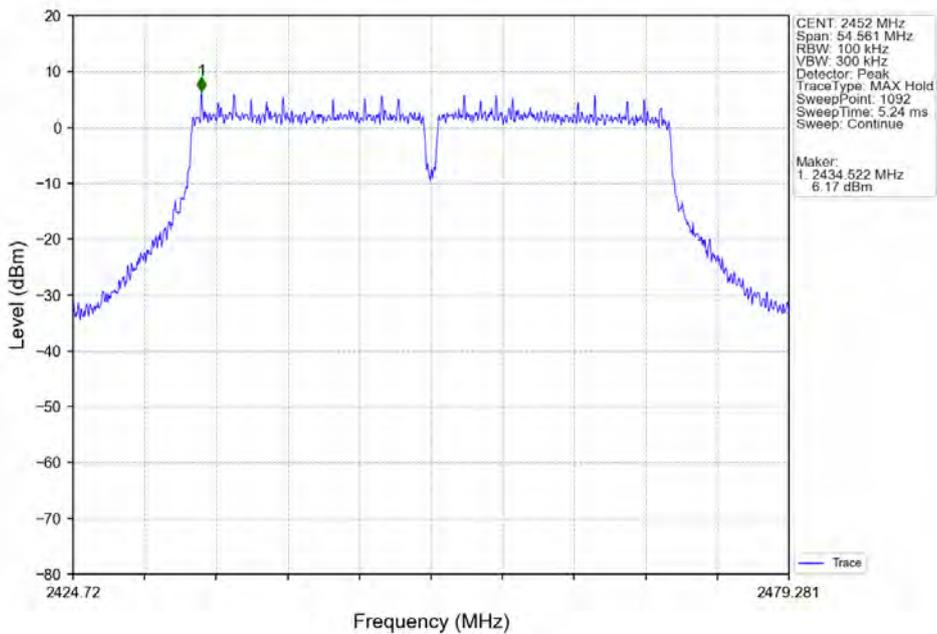
Rev.: 01

Page: 121 of 224

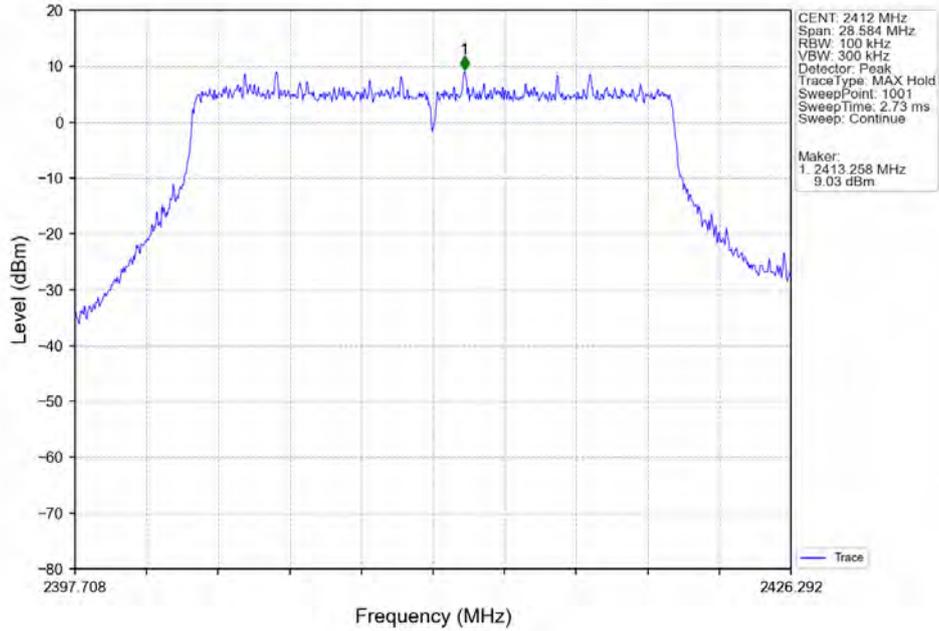
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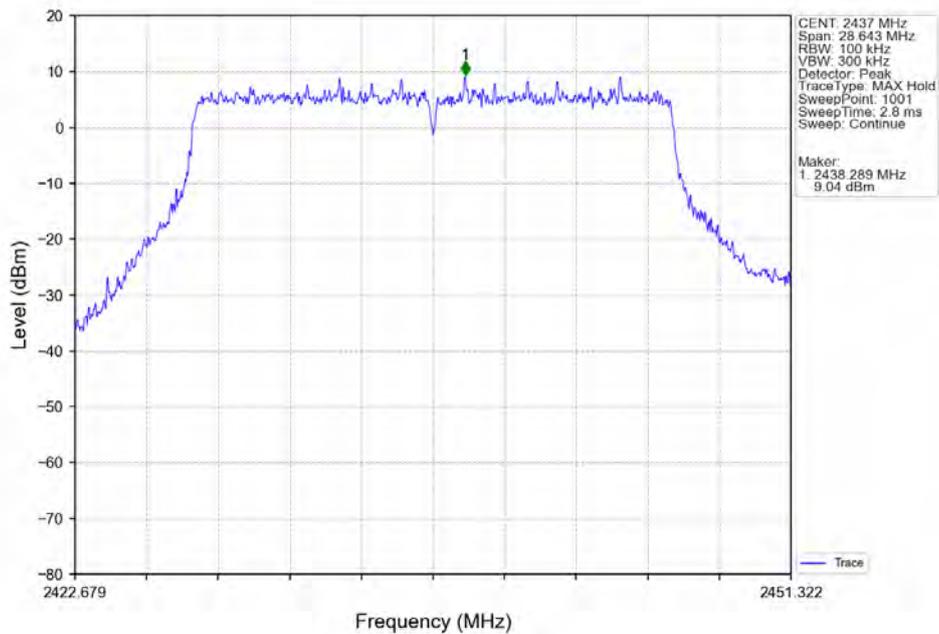
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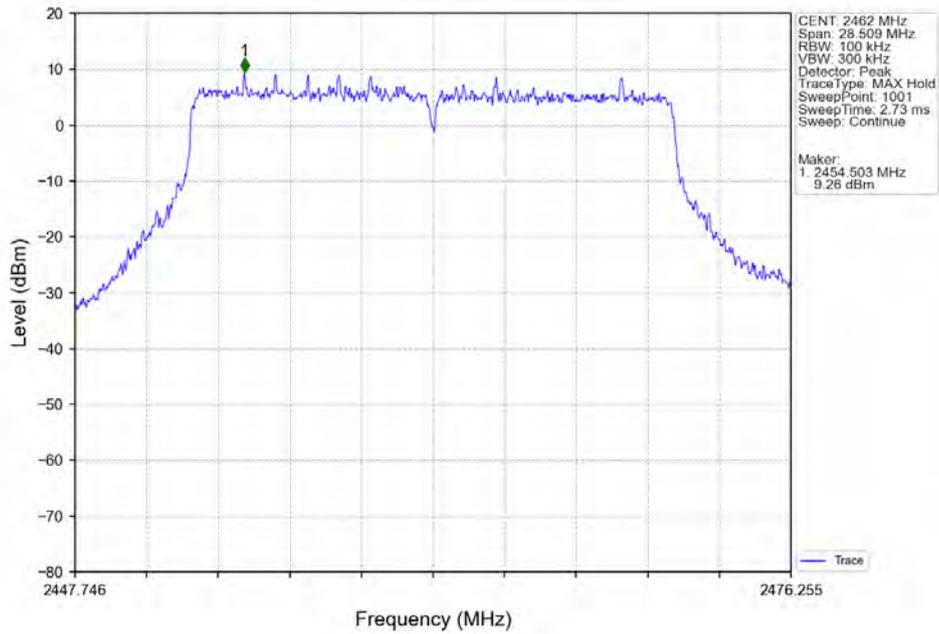
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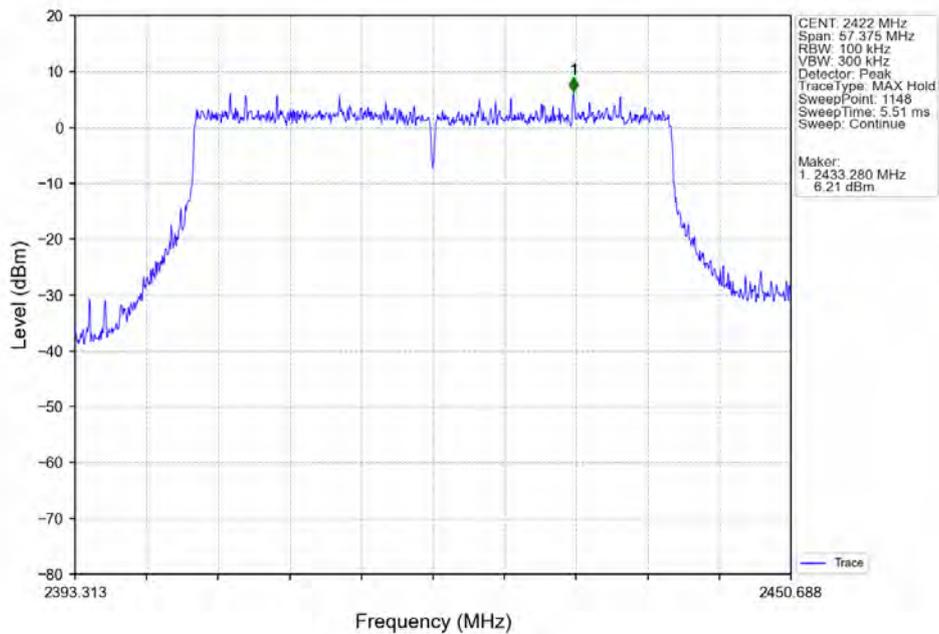
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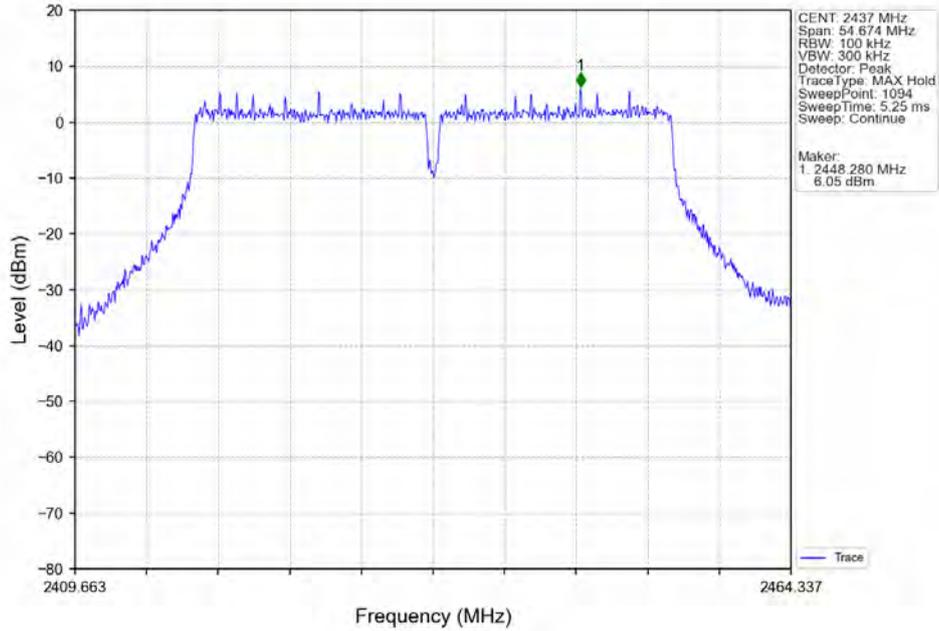
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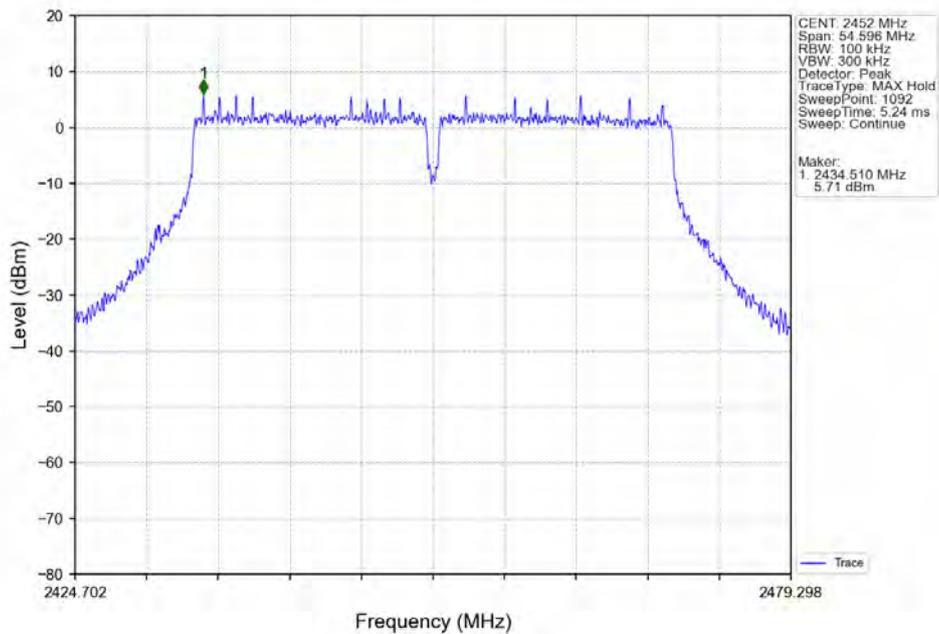
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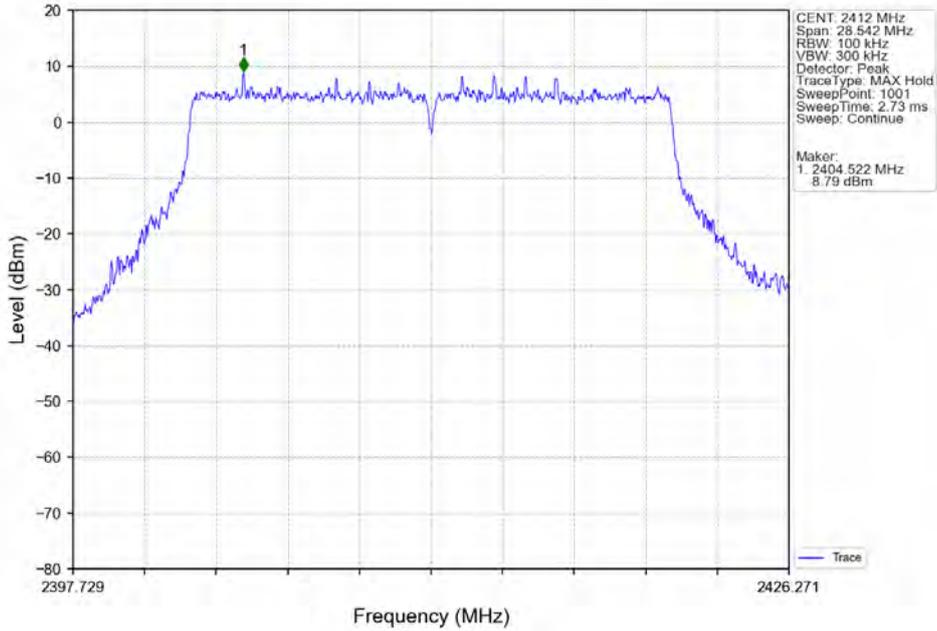
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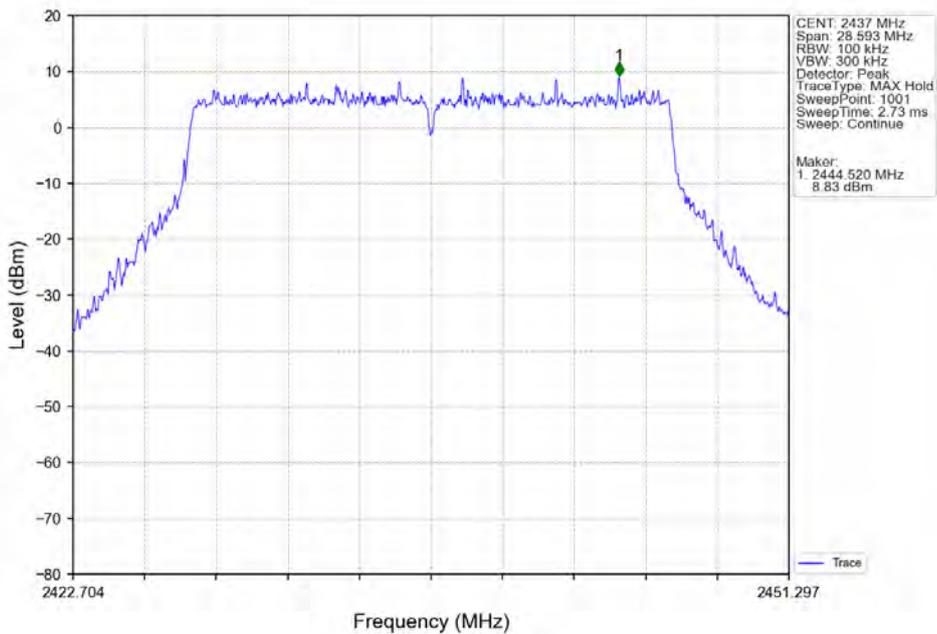
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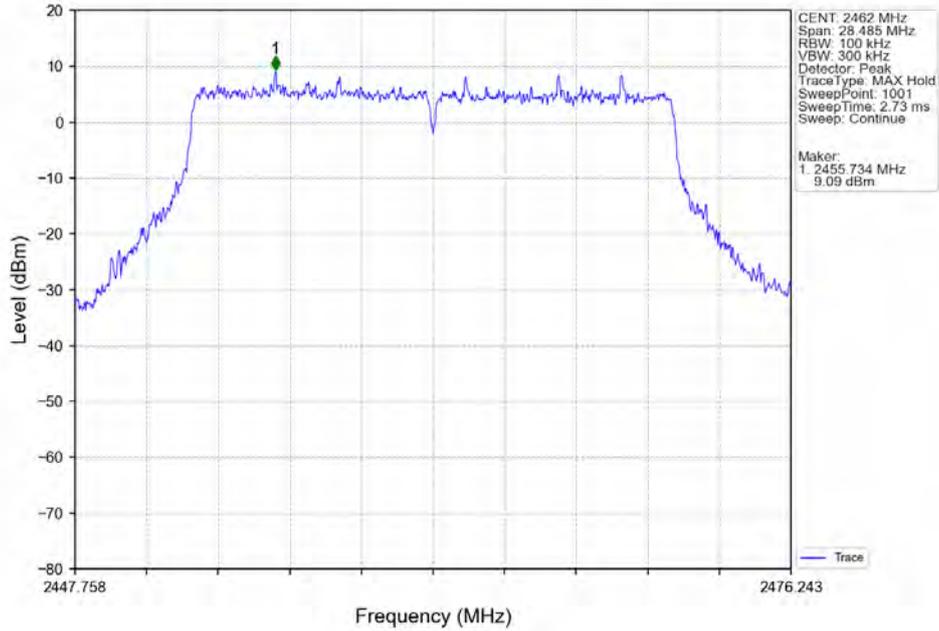
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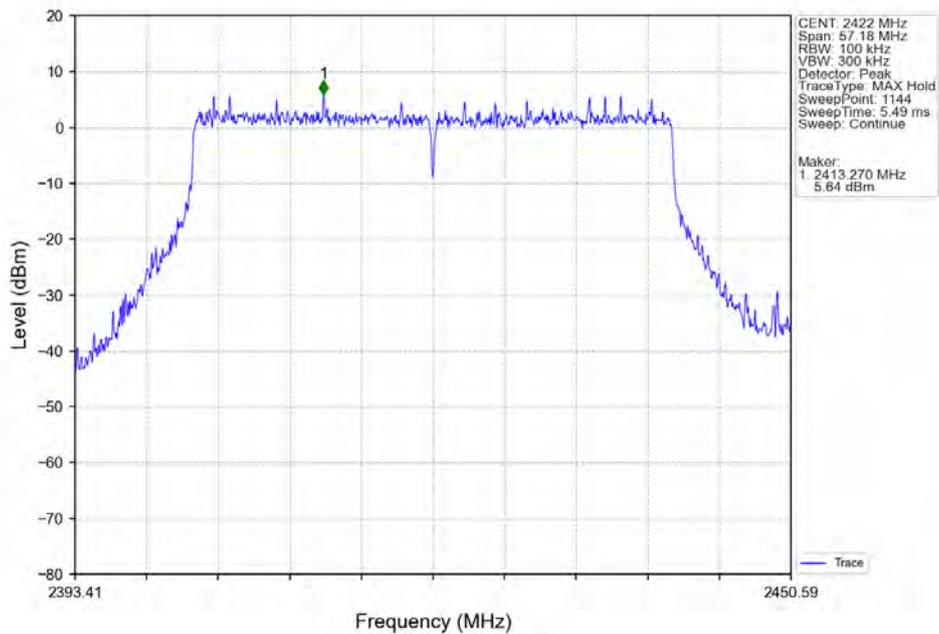
Rev.: 01

Page: 126 of 224

802.11be(EHT20)_HCH_2462MHz_SU_ / _Ant1 (MIMO)_NTNV



802.11be(EHT40)_LCH_2422MHz_SU_ / _Ant1 (MIMO)_NTNV



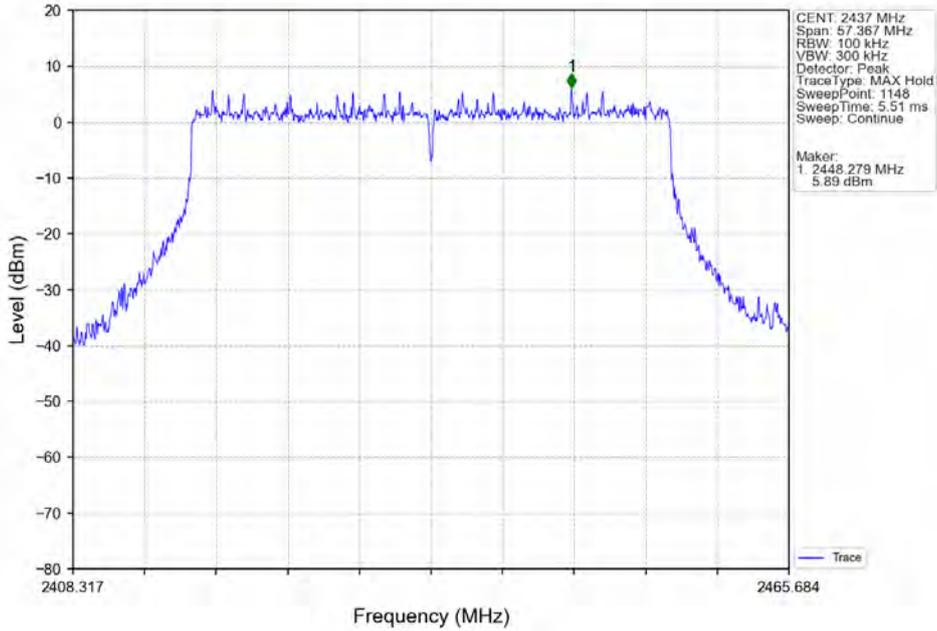
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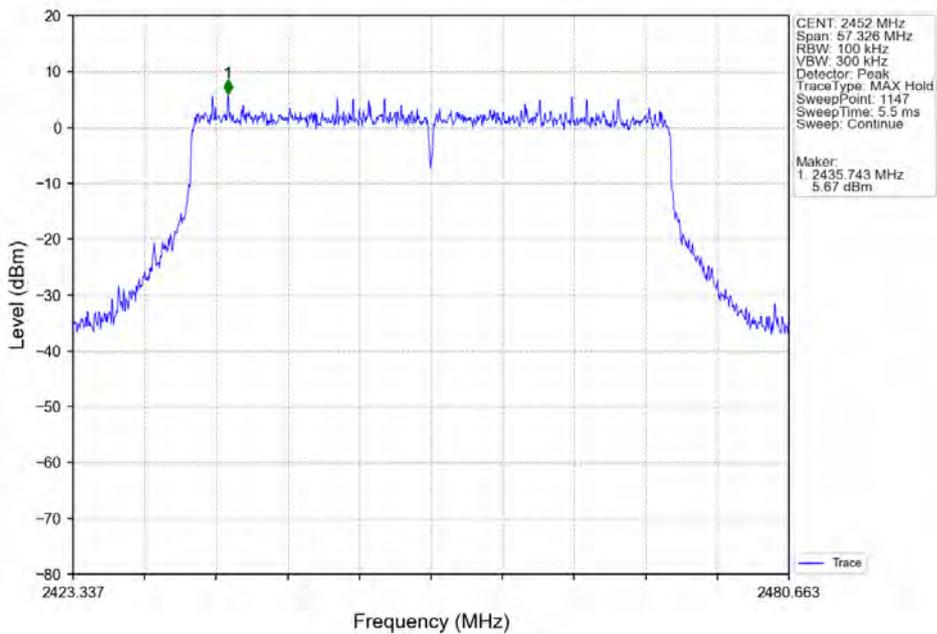
Rev.: 01

Page: 127 of 224

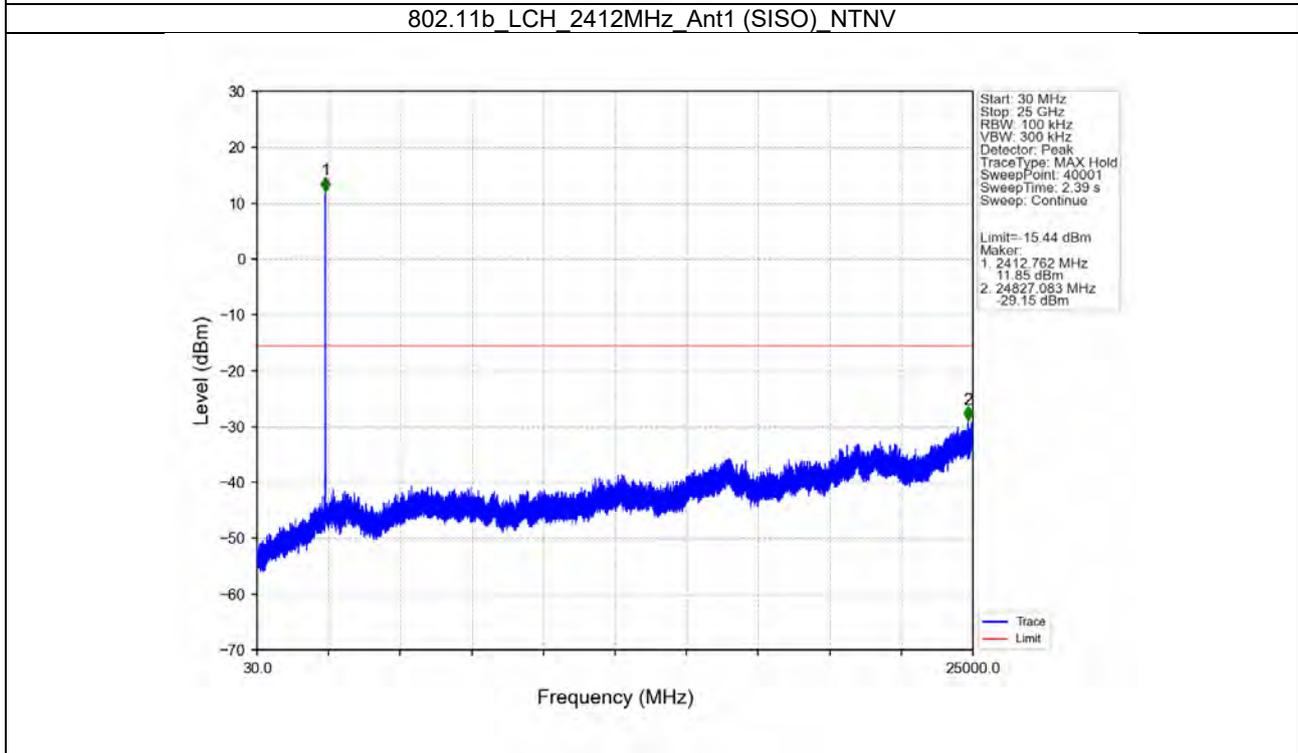
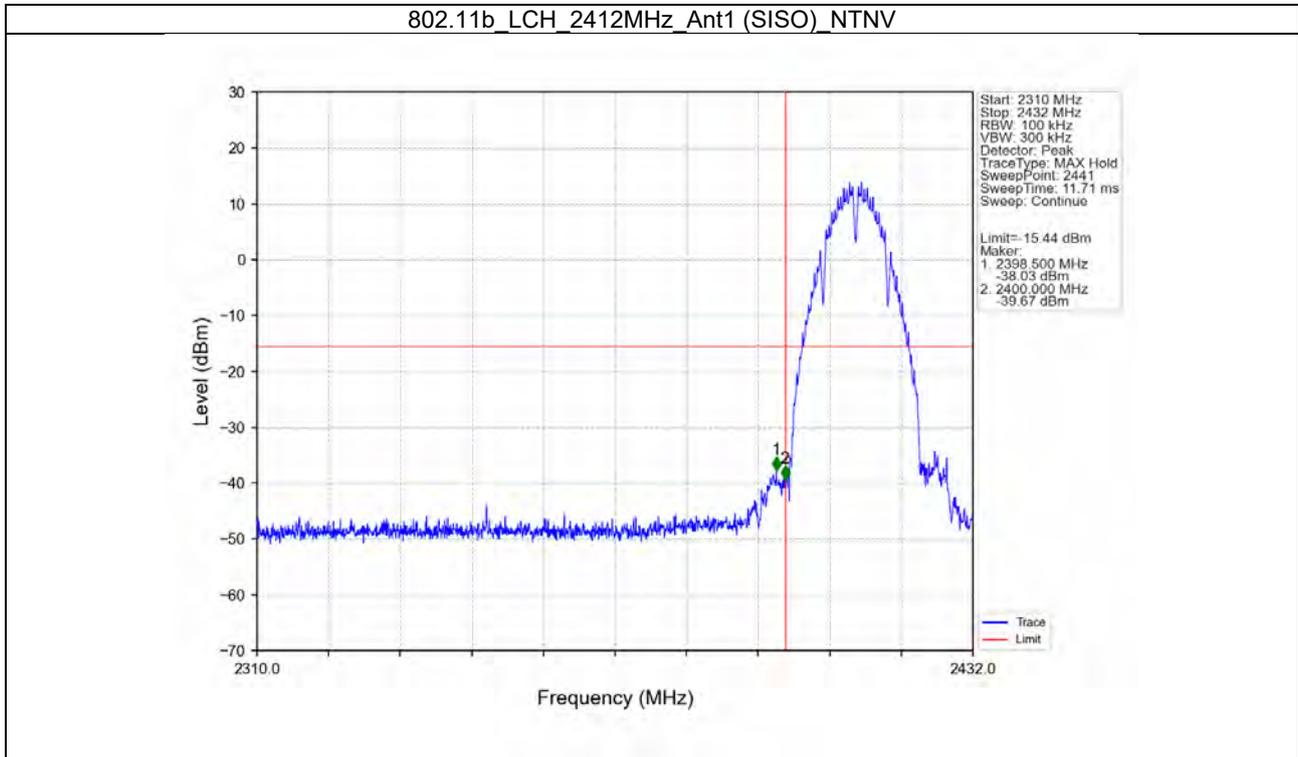
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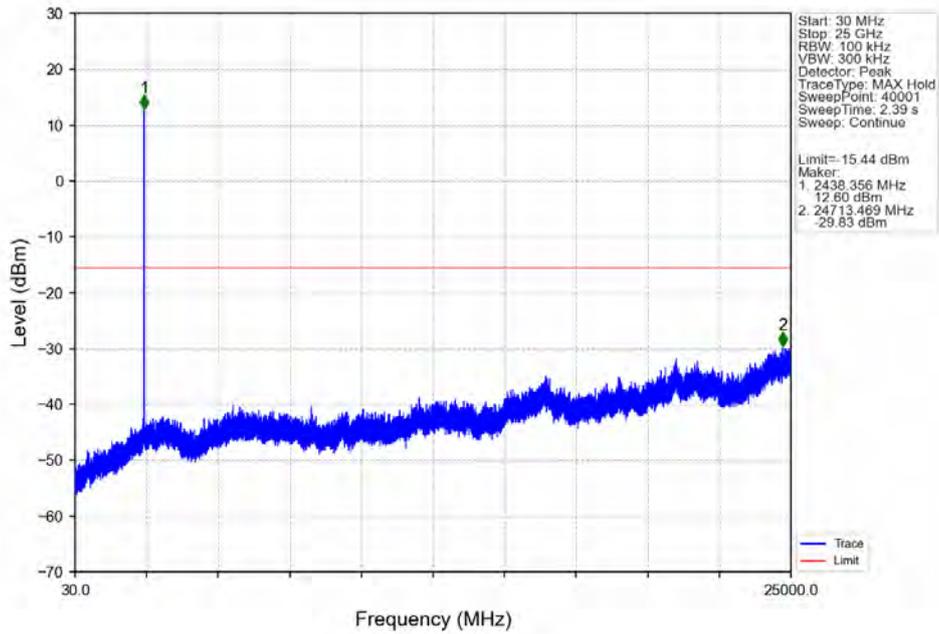
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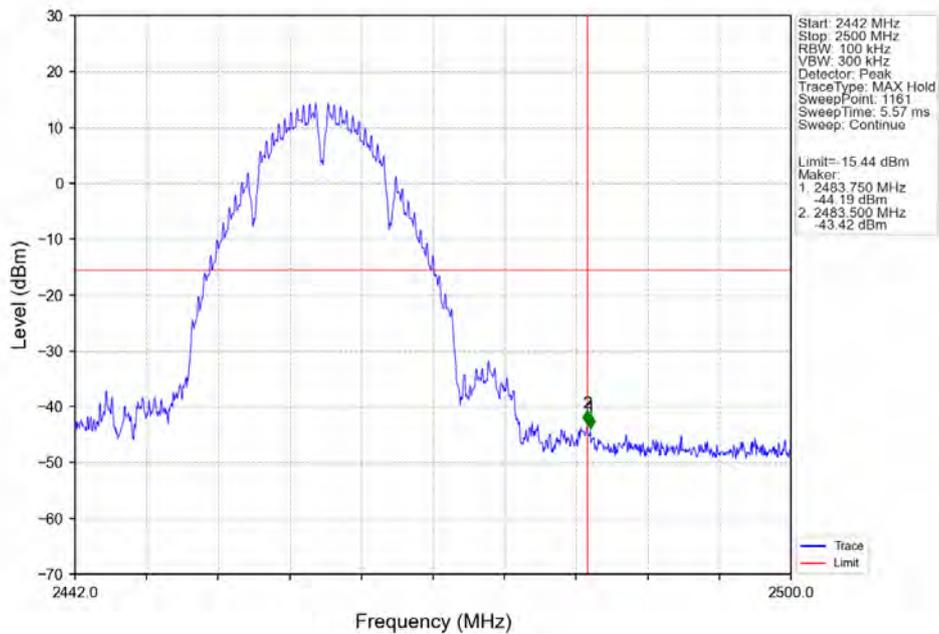
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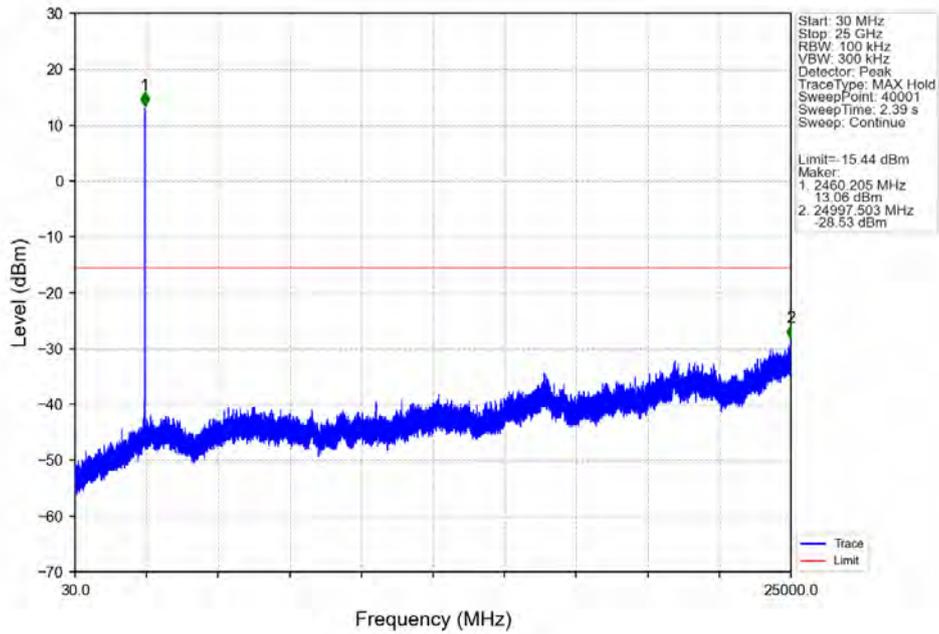
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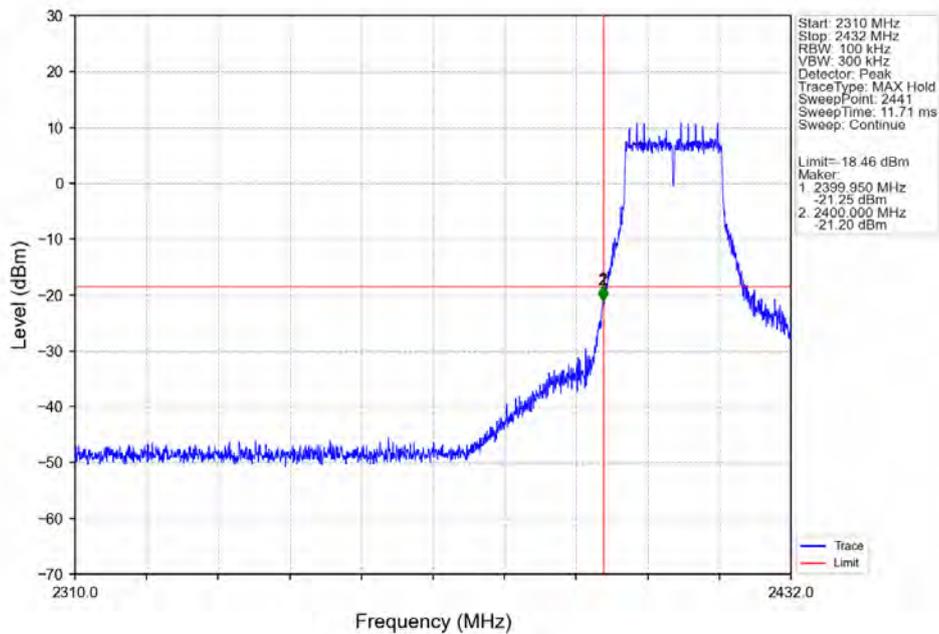
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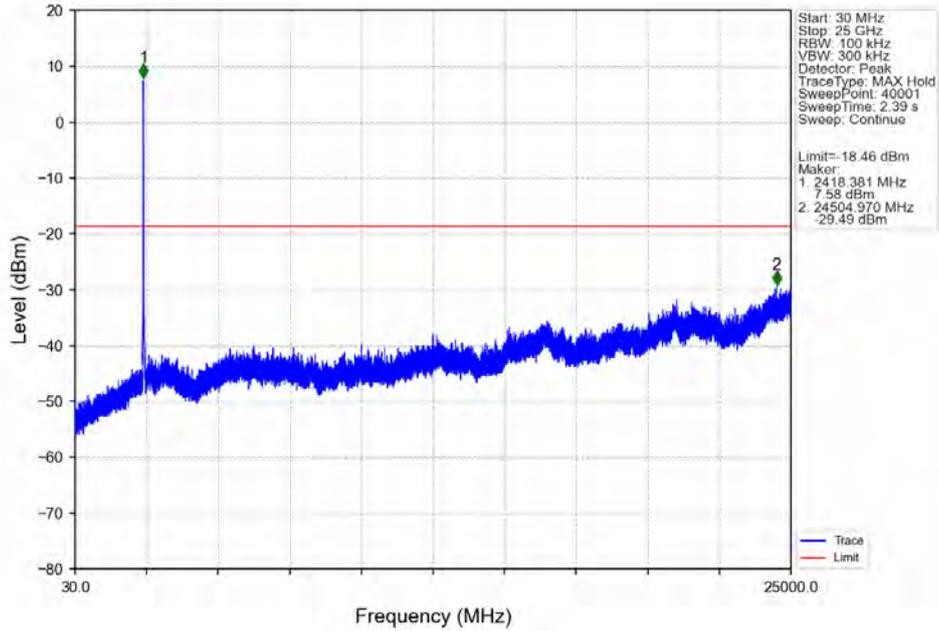
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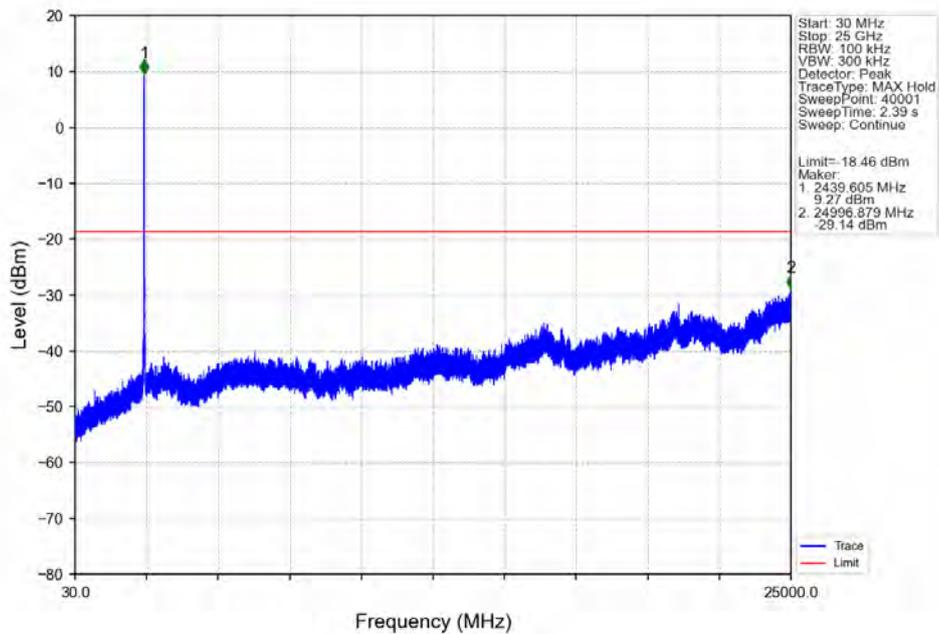
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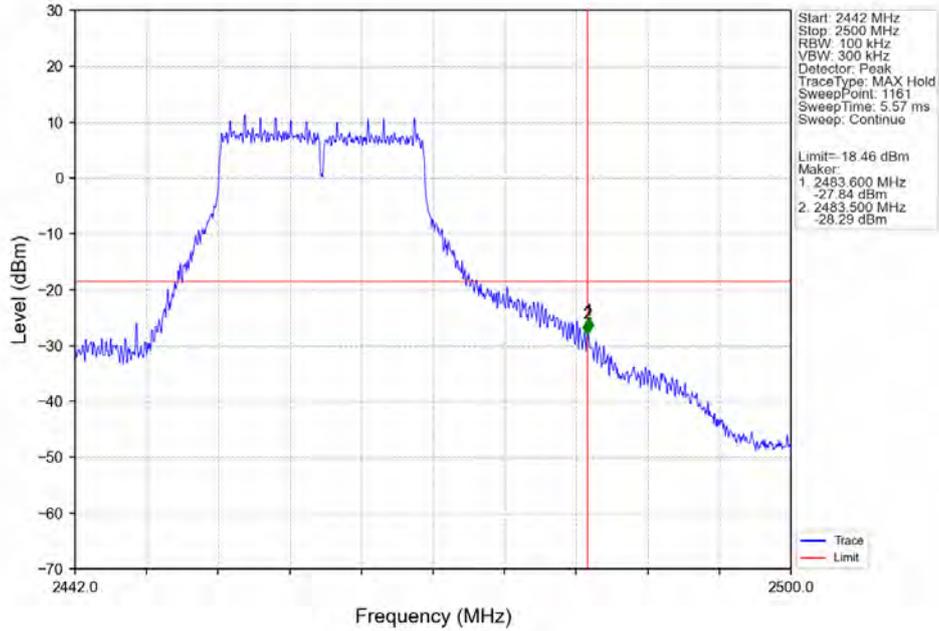
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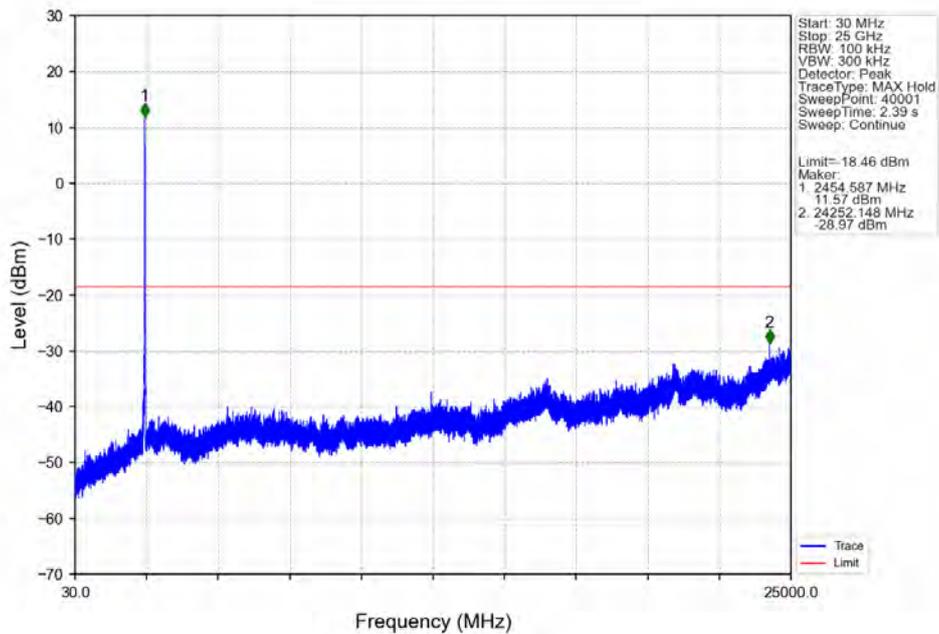
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV





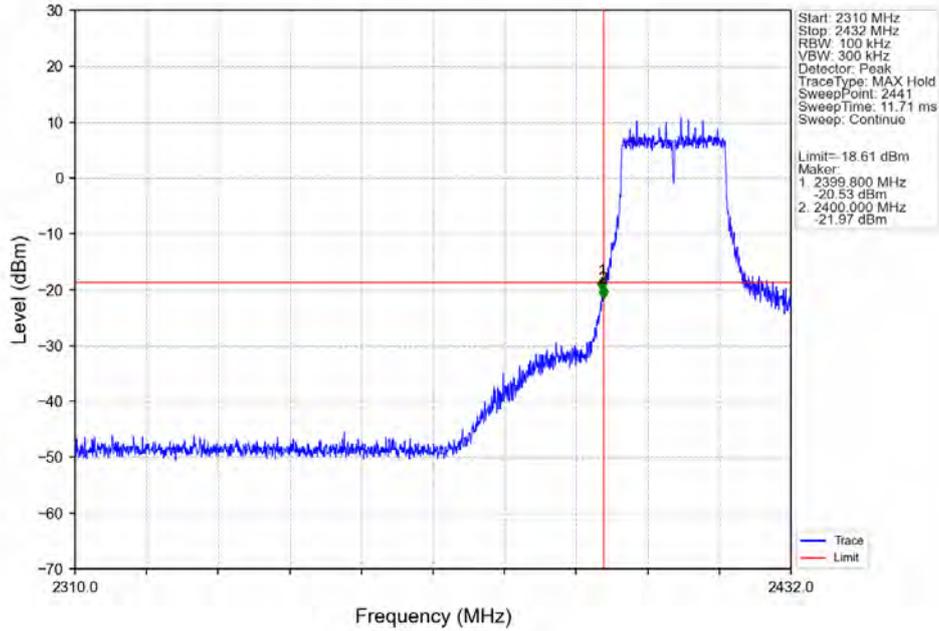
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Report No.: SUCR250600052506

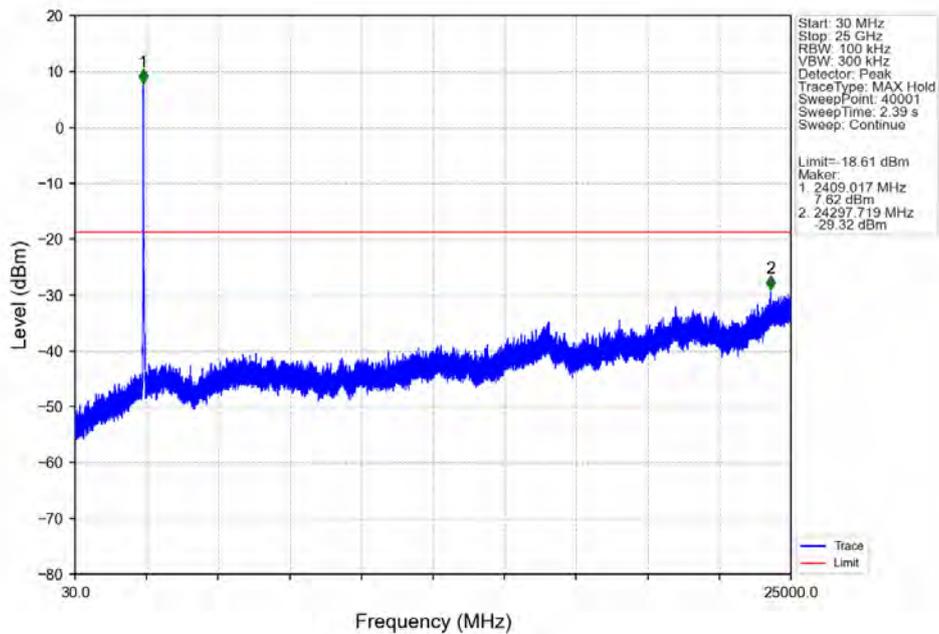
Rev.: 01

Page: 133 of 224

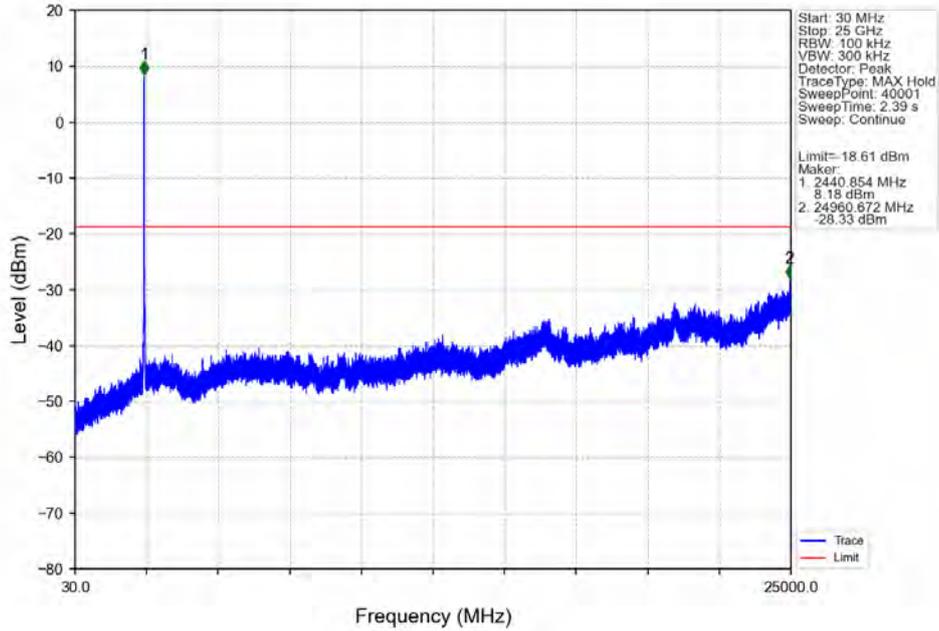
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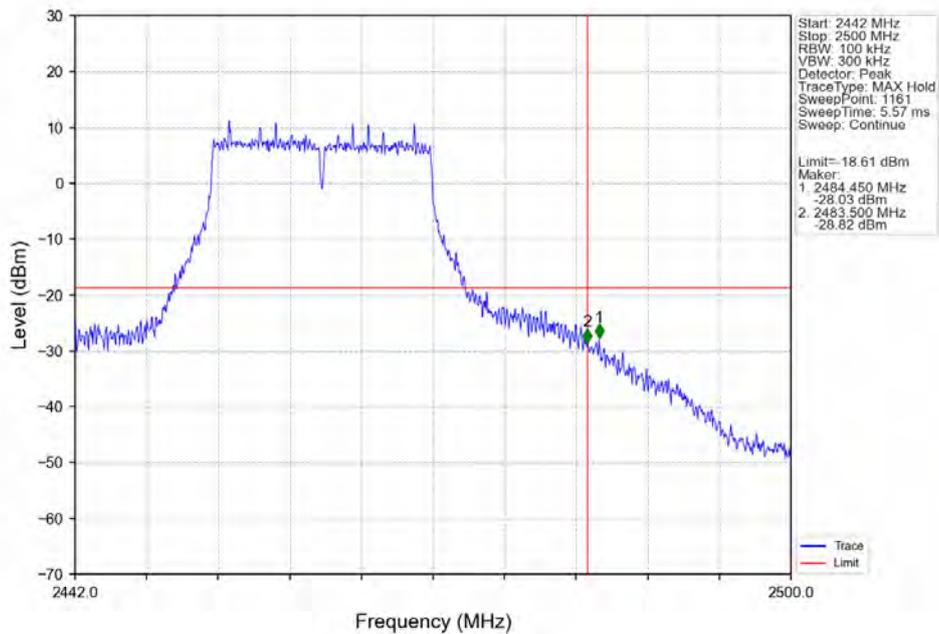
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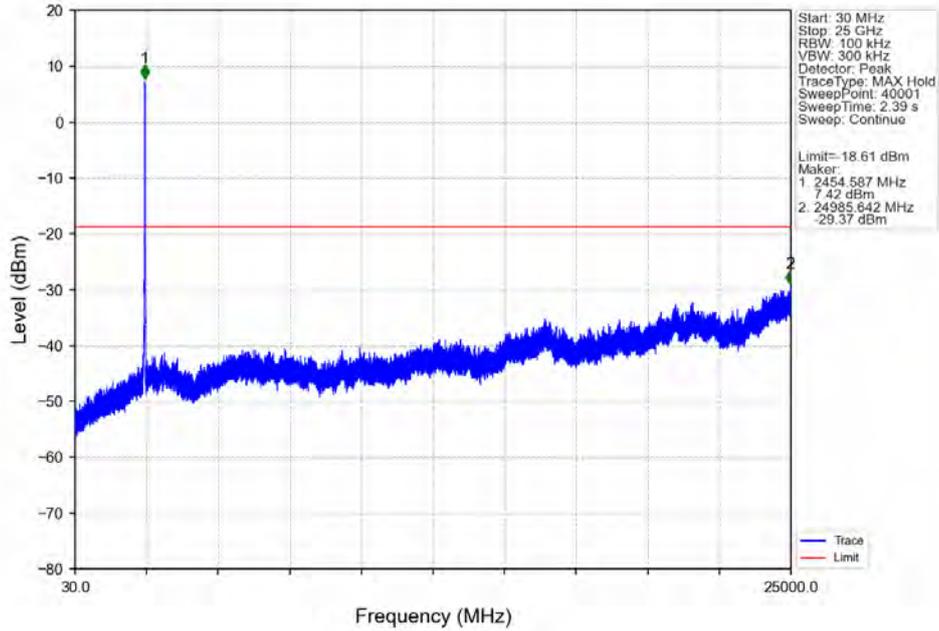
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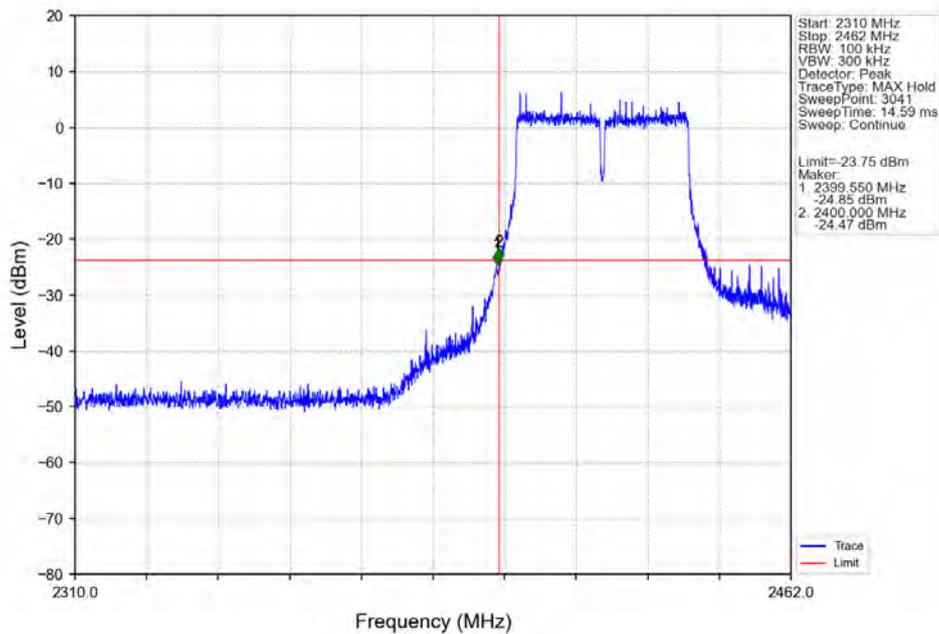
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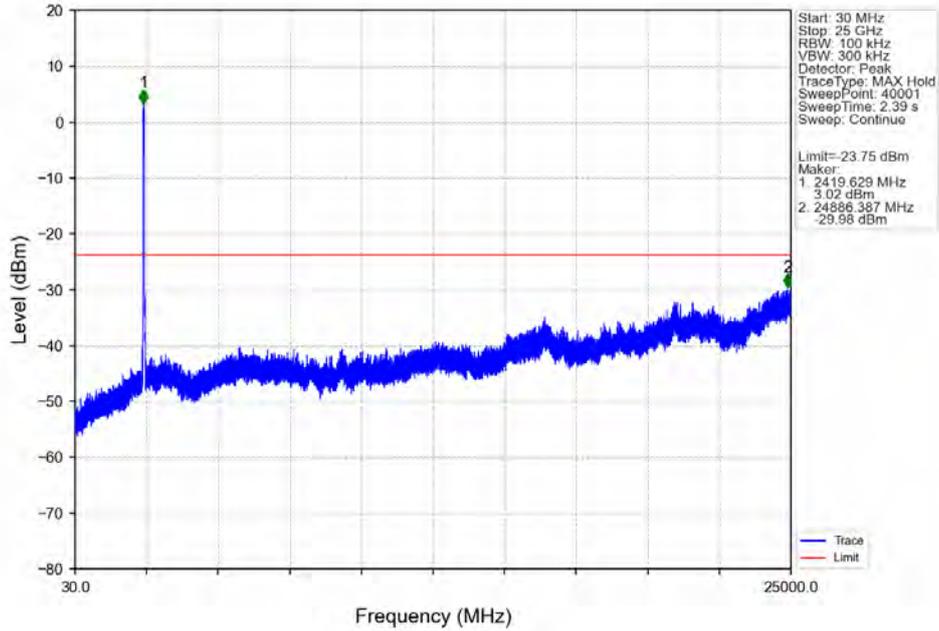
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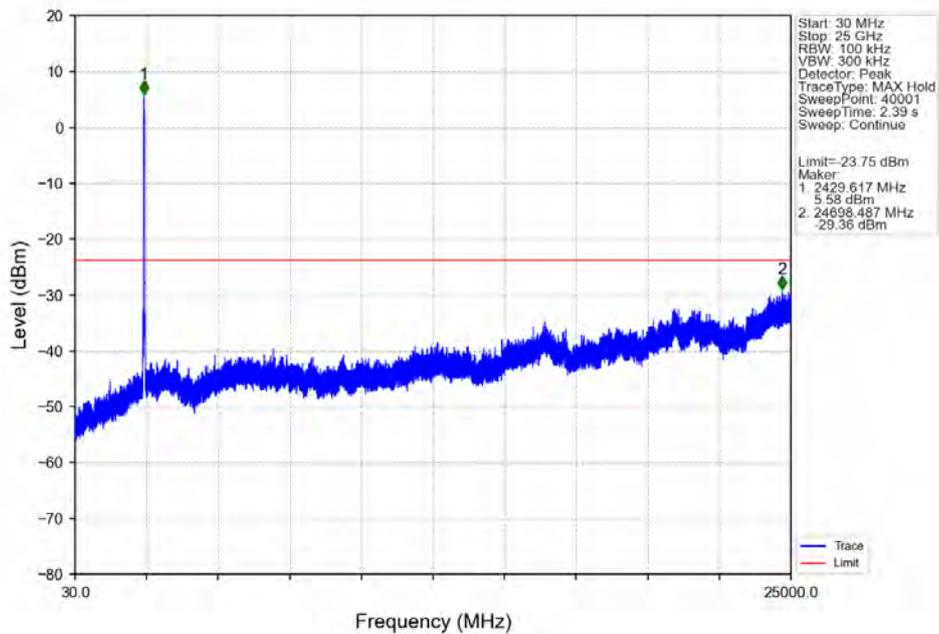
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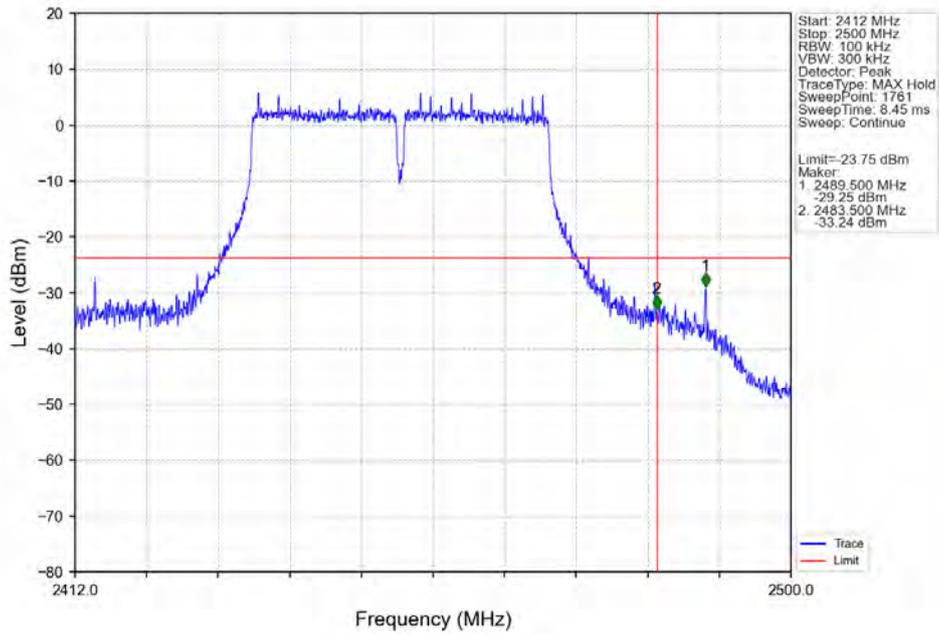
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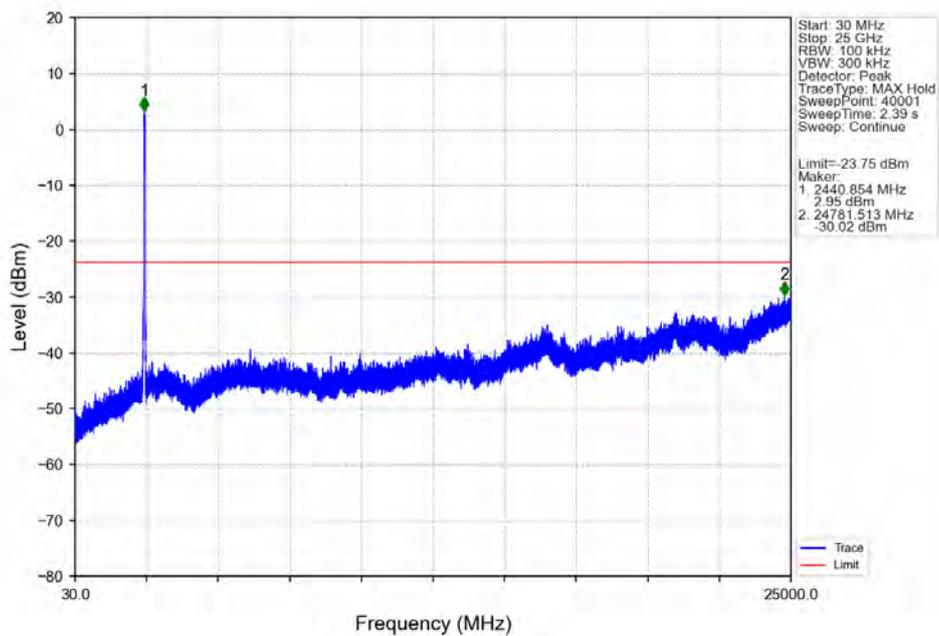
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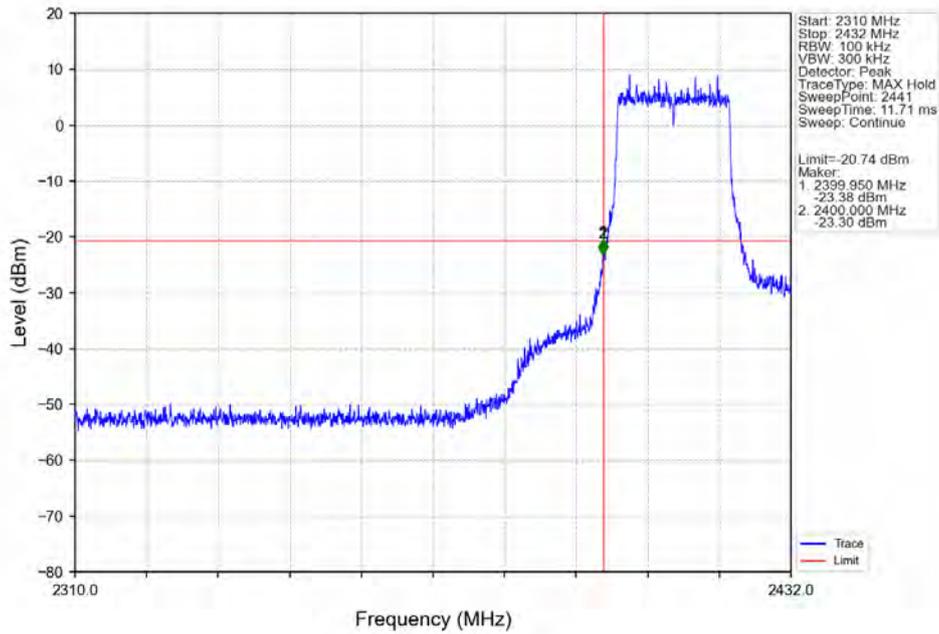
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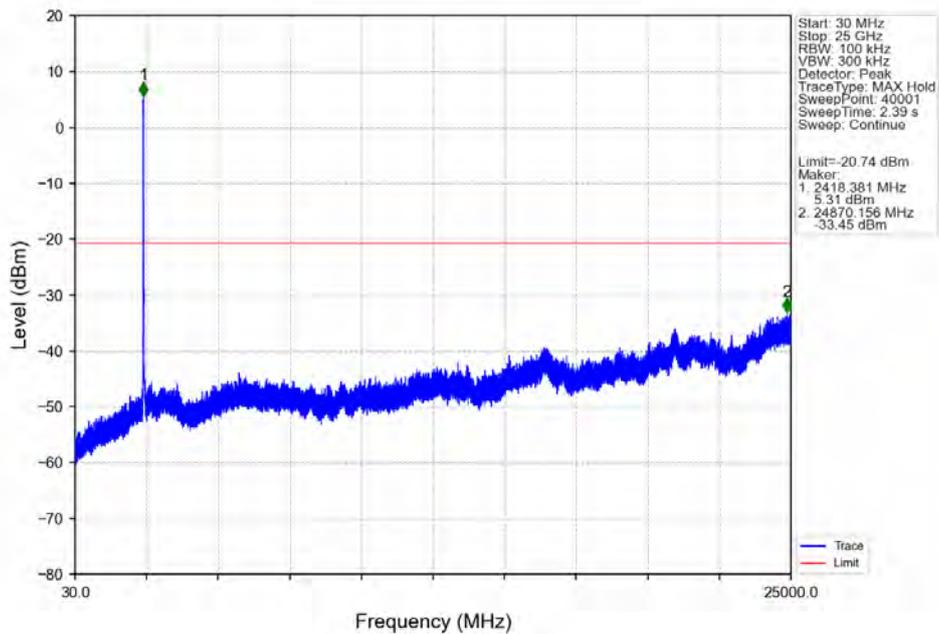
Rev.: 01

Page: 138 of 224

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802.11ax(HEW20)_LCH_2412MHz_SU_ / Ant1 (MIMO)_NTNV



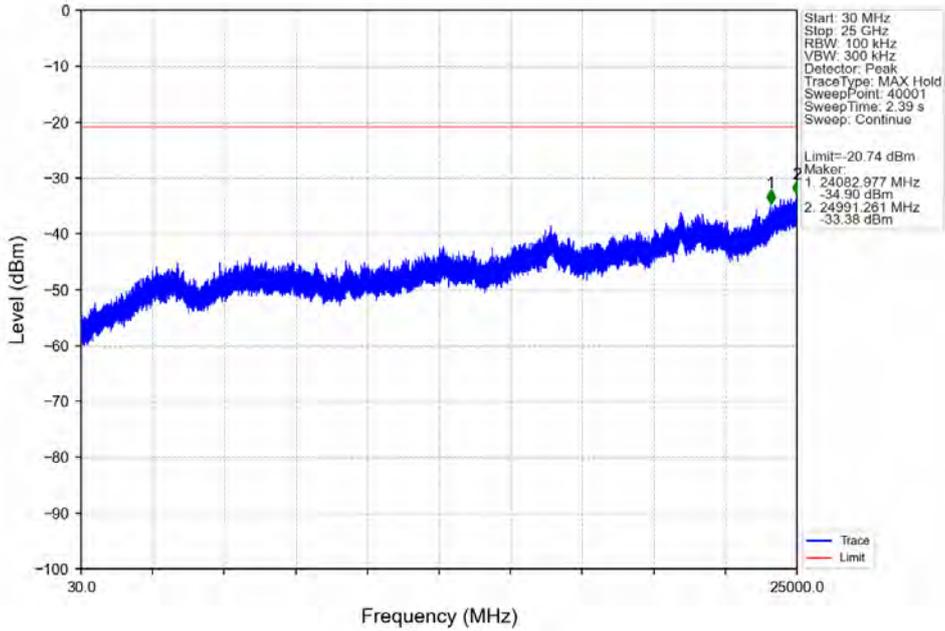
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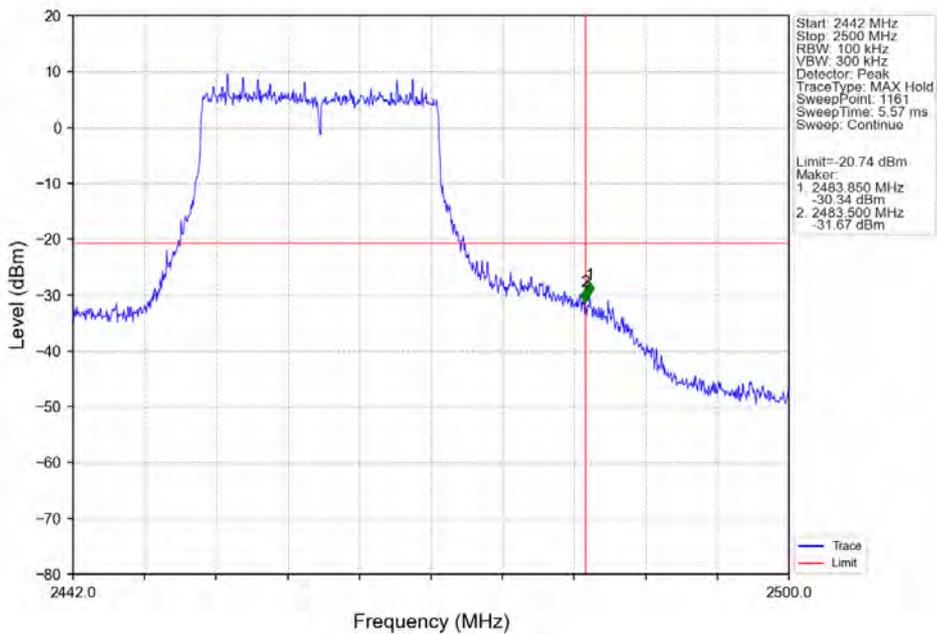
Rev.: 01

Page: 139 of 224

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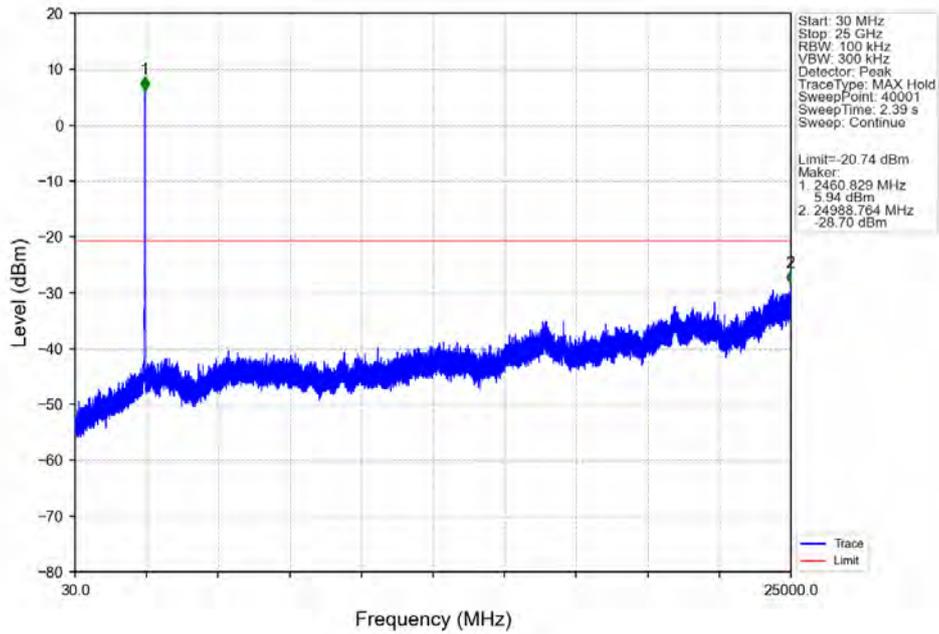
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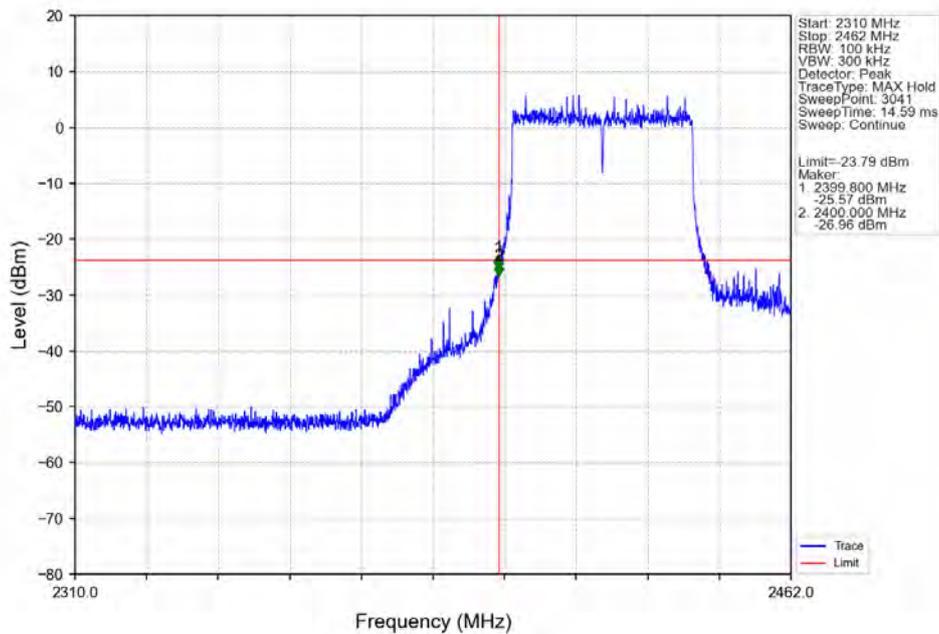
Rev.: 01

Page: 140 of 224

802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant1 (MIMO)_NTNV



802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (MIMO)_NTNV



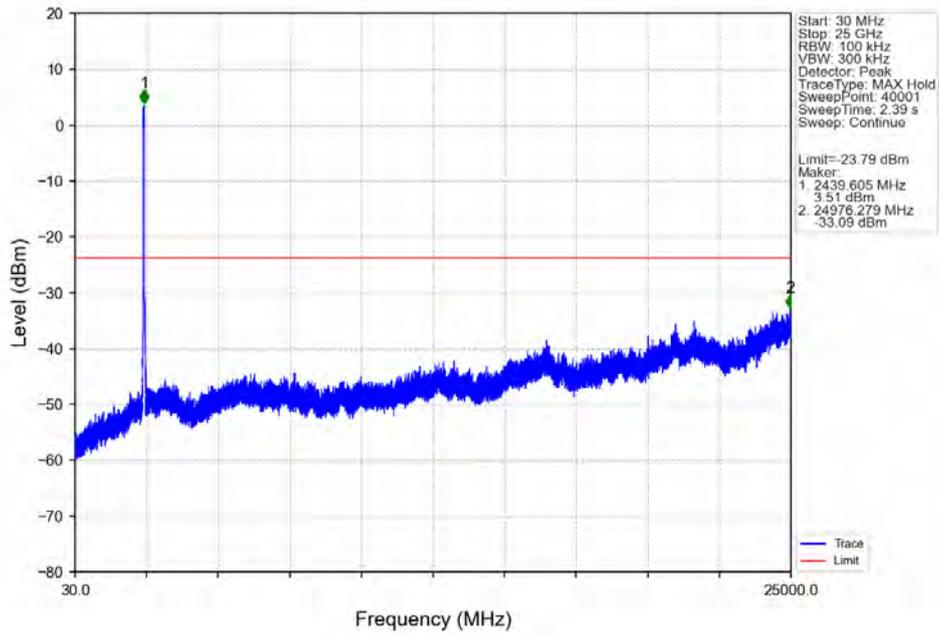
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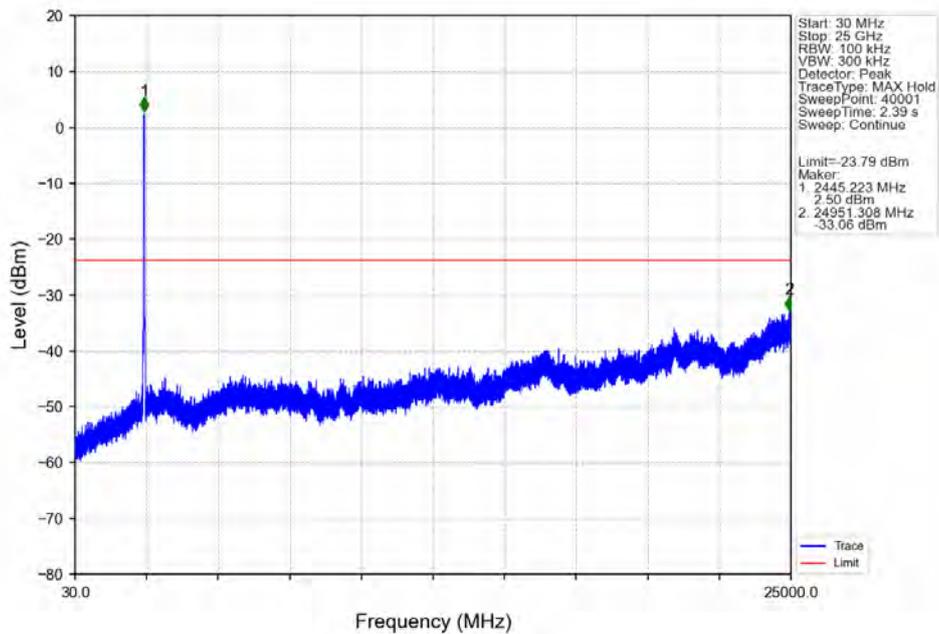
Rev.: 01

Page: 141 of 224

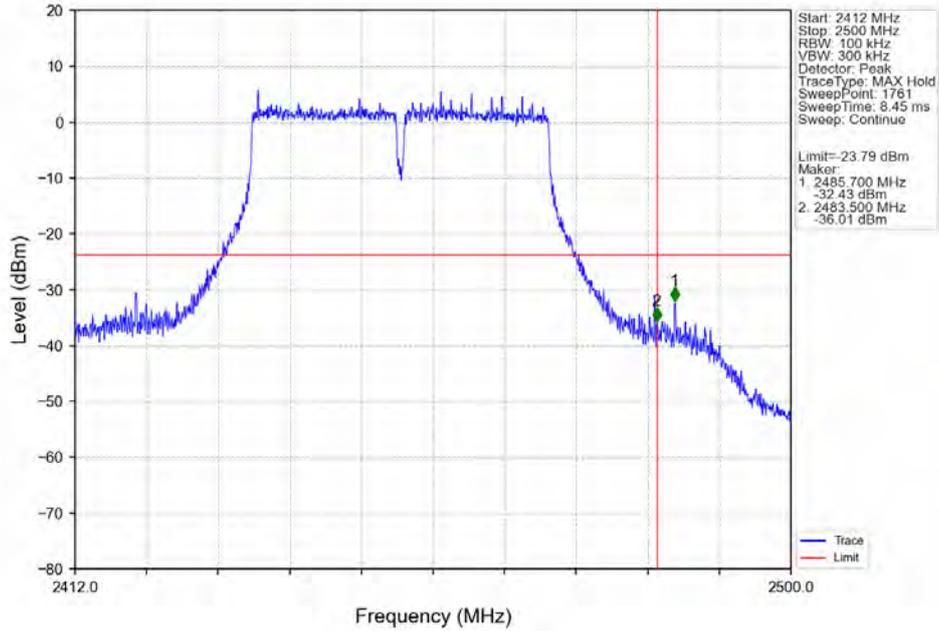
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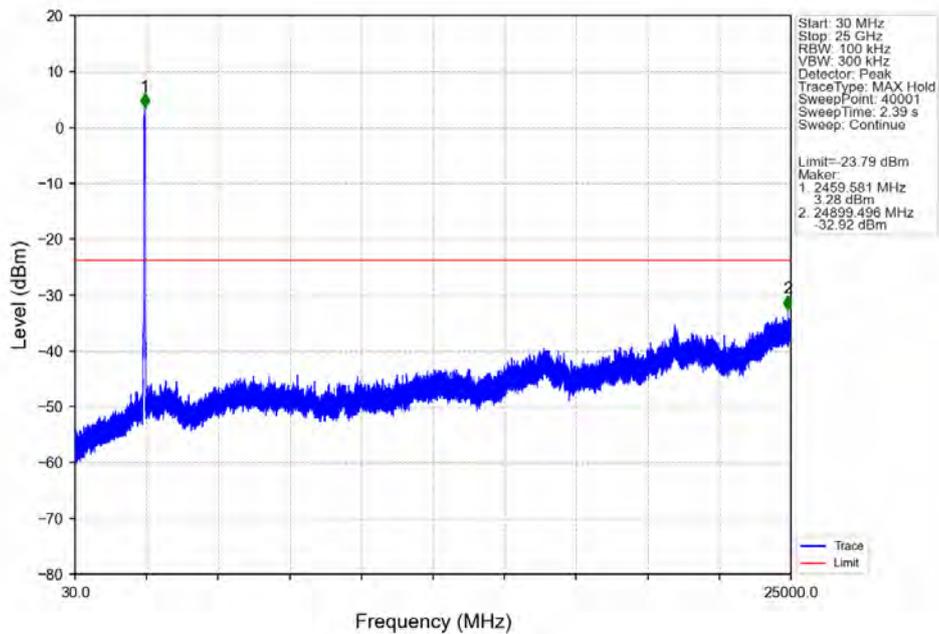
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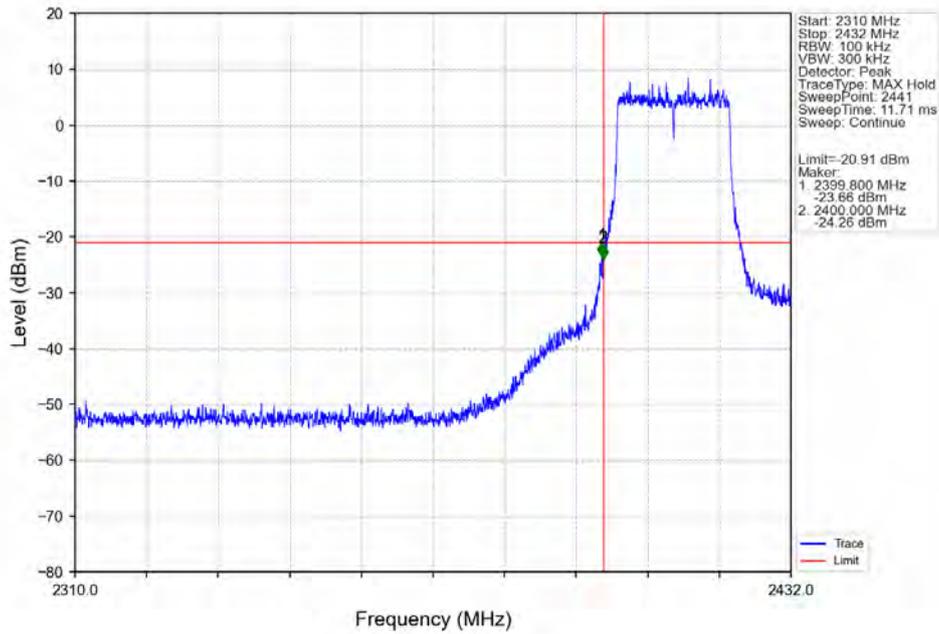
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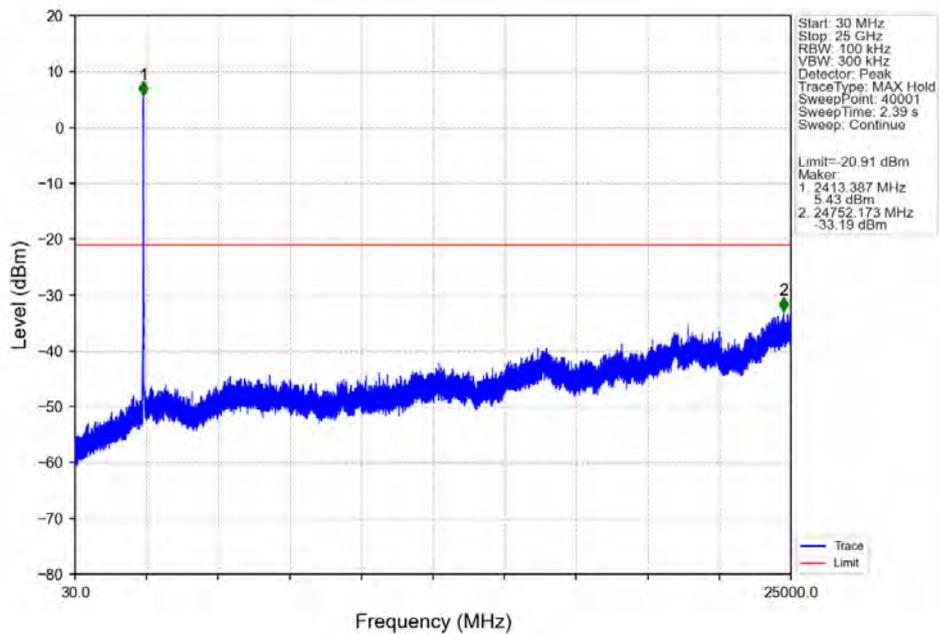
Rev.: 01

Page: 143 of 224

802.11be(EHT20)_LCH_2412MHz_SU_ / _Ant1 (MIMO)_NTNV



802.11be(EHT20)_LCH_2412MHz_SU_ / _Ant1 (MIMO)_NTNV



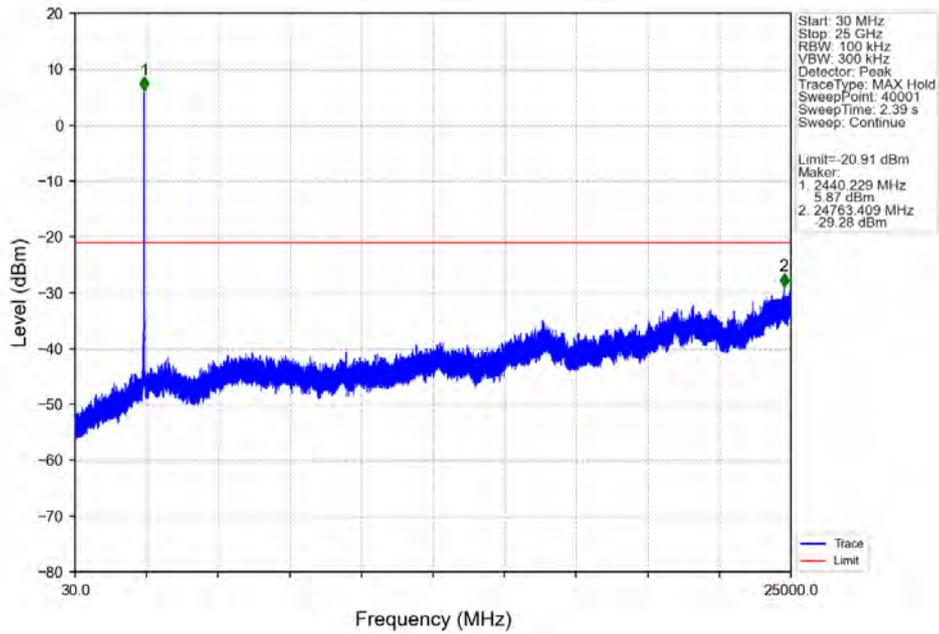
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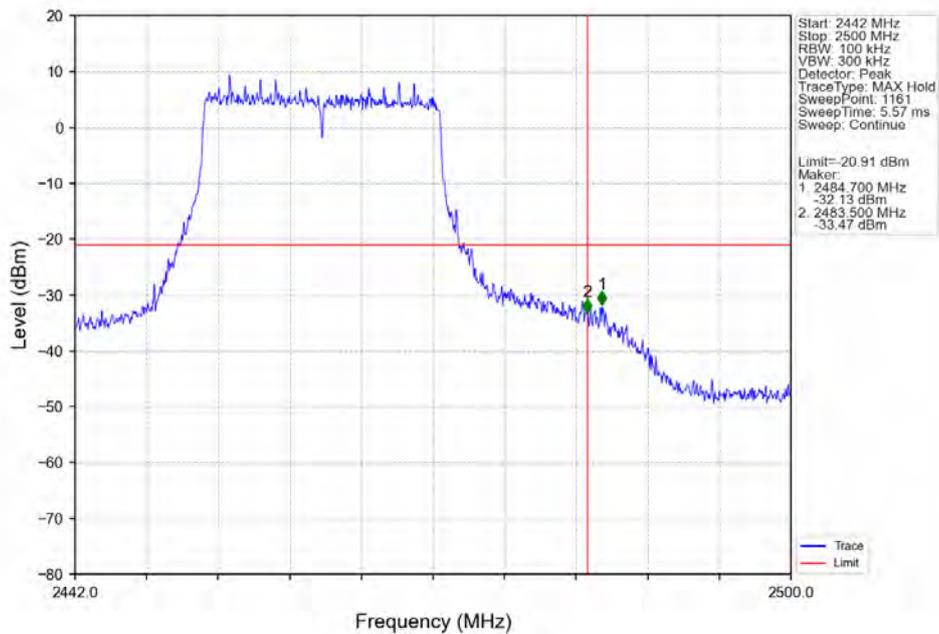
Rev.: 01

Page: 144 of 224

802.11be(EHT20)_MCH_2437MHz_SU_ / _Ant1 (MIMO)_NTNV



802.11be(EHT20)_HCH_2462MHz_SU_ / _Ant1 (MIMO)_NTNV



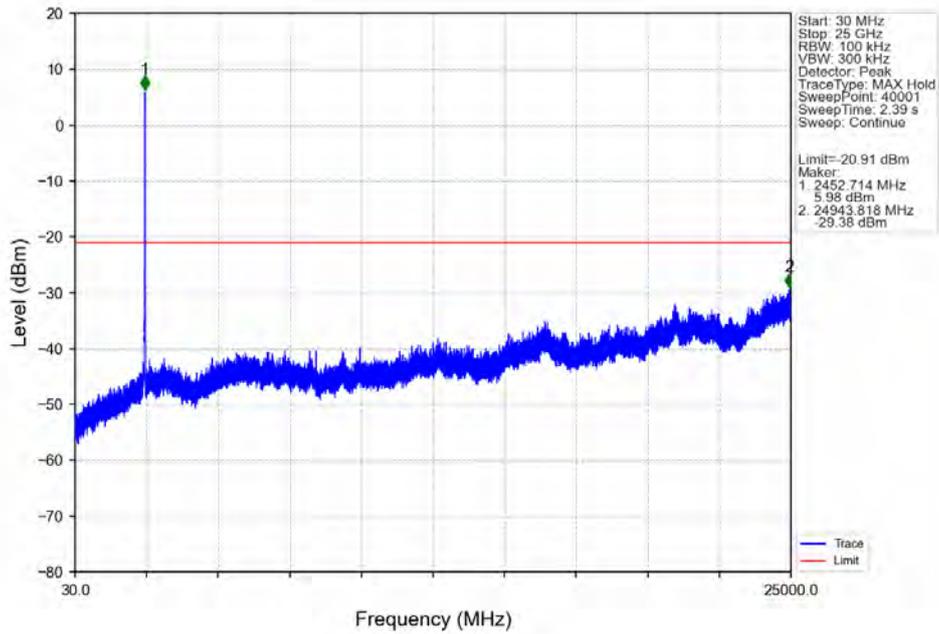
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

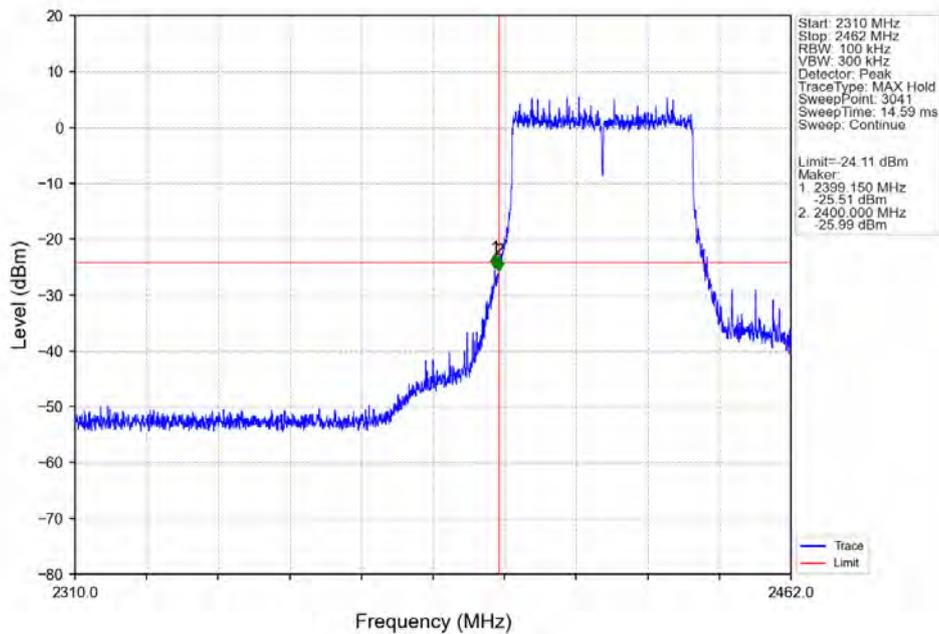
Rev.: 01

Page: 145 of 224

802.11be(EHT20)_HCH_2462MHz_SU_ / _Ant1 (MIMO)_NTNV



802.11be(EHT40)_LCH_2422MHz_SU_ / _Ant1 (MIMO)_NTNV



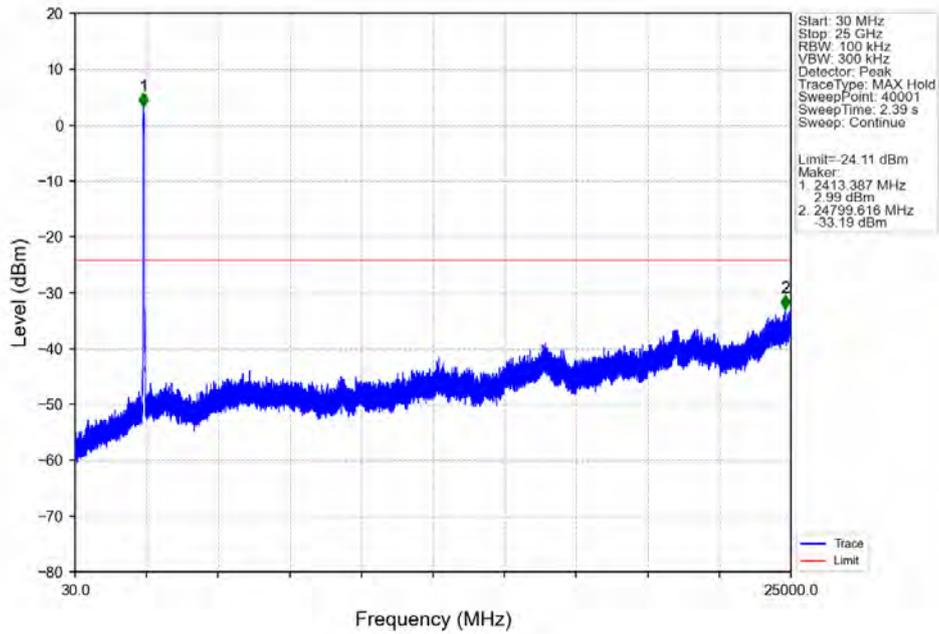
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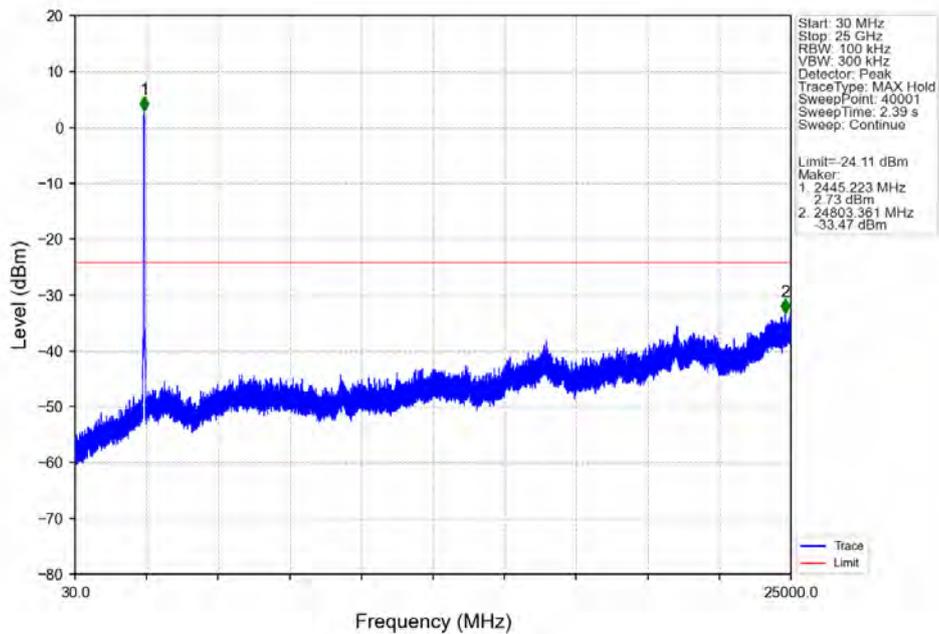
Rev.: 01

Page: 146 of 224

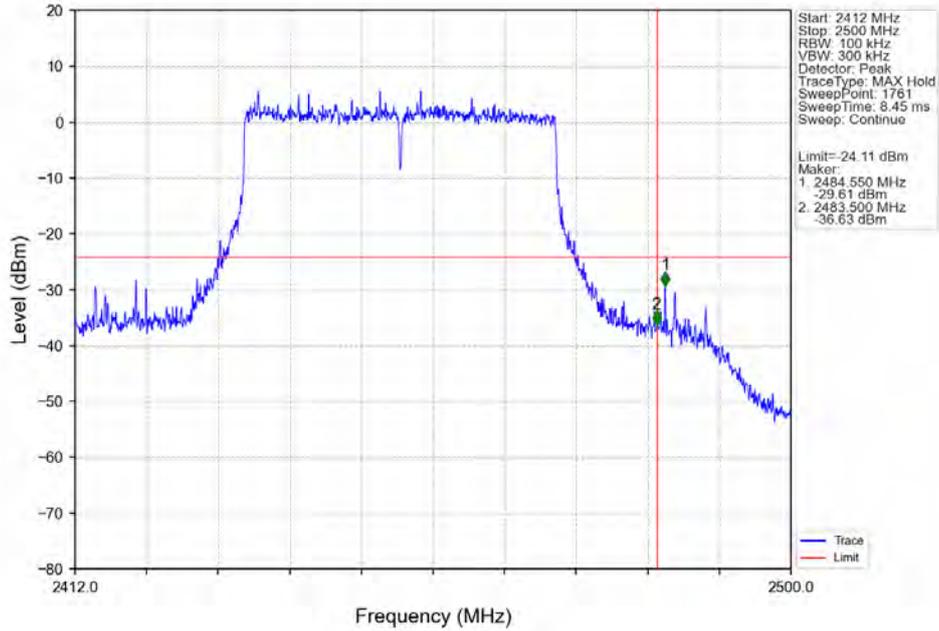
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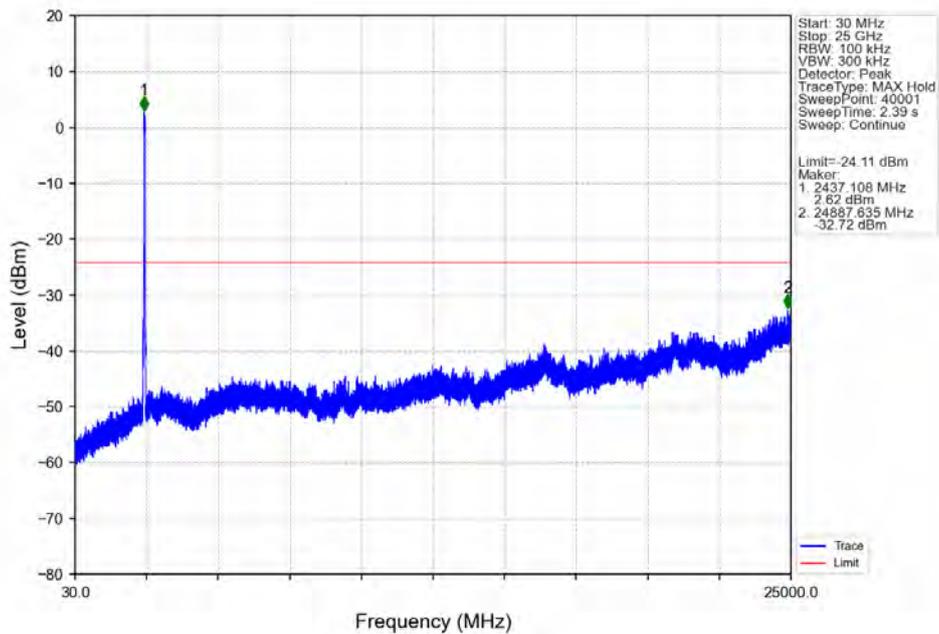
802.11be(EHT40)_MCH_2437MHz_SU_ / _Ant1 (MIMO)_NTNV



802.11be(EHT40)_HCH_2452MHz_SU_ / Ant1 (MIMO)_NTNV



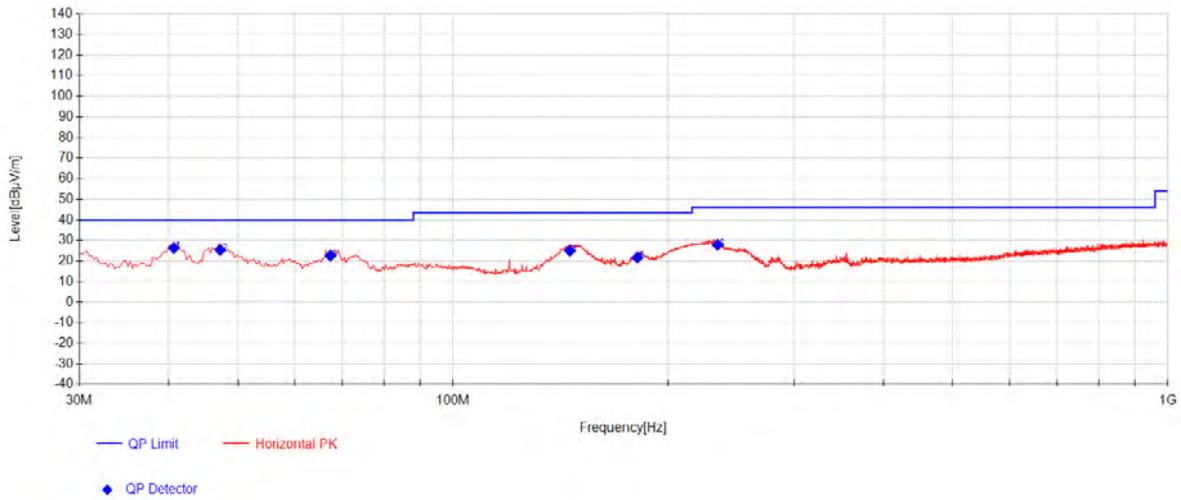
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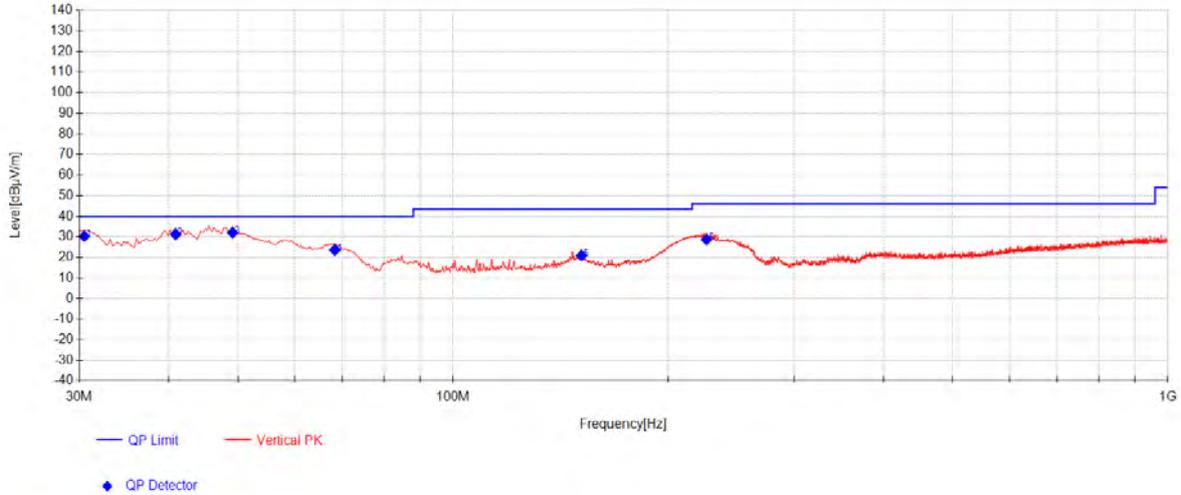
Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 802.11n40 MIMO_Channel 3



Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40.67	41.62	18.80	-34.18	26.24	40.00	13.76	206	342	Horizontal
2	47.2175	40.62	18.88	-34.18	25.32	40.00	14.68	195	342	Horizontal
3	67.345	39.61	17.00	-34.03	22.57	40.00	17.43	178	1	Horizontal
4	145.6725	39.59	18.90	-33.55	24.94	43.50	18.56	234	342	Horizontal
5	181.0775	38.56	16.48	-33.34	21.70	43.50	21.80	188	33	Horizontal
6	234.4275	44.15	16.59	-32.92	27.81	46.00	18.19	264	128	Horizontal



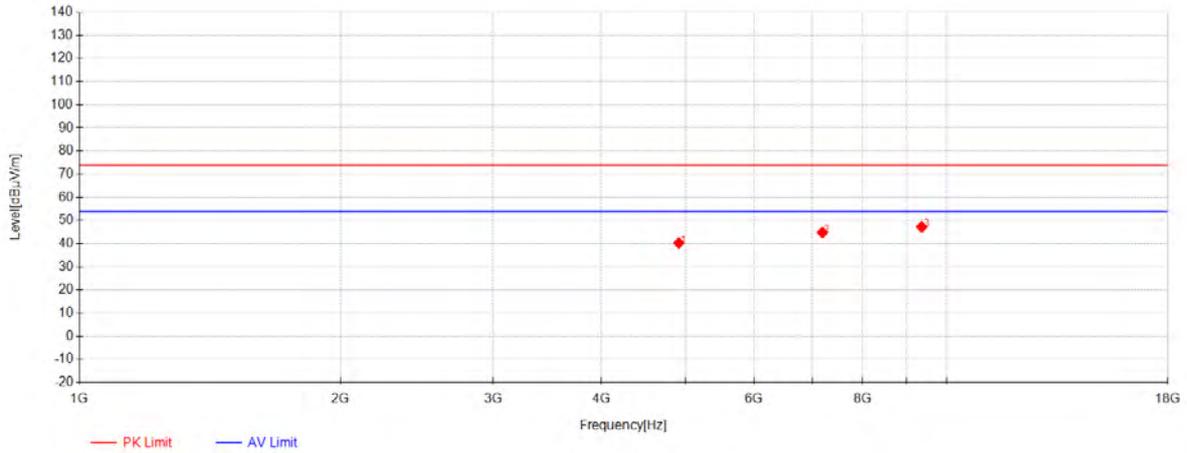
Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.485	46.29	18.15	-34.18	30.26	40.00	9.74	195	138	Vertical
2	40.9125	46.55	18.80	-34.18	31.17	40.00	8.83	234	289	Vertical
3	49.1575	47.43	18.77	-34.18	32.02	40.00	7.98	185	50	Vertical
4	68.315	40.88	16.74	-34.02	23.59	40.00	16.41	195	178	Vertical
5	151.25	35.34	19.05	-33.51	20.88	43.50	22.62	158	304	Vertical
6	226.1825	45.34	16.27	-32.97	28.64	46.00	17.36	179	282	Vertical

Remark:

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

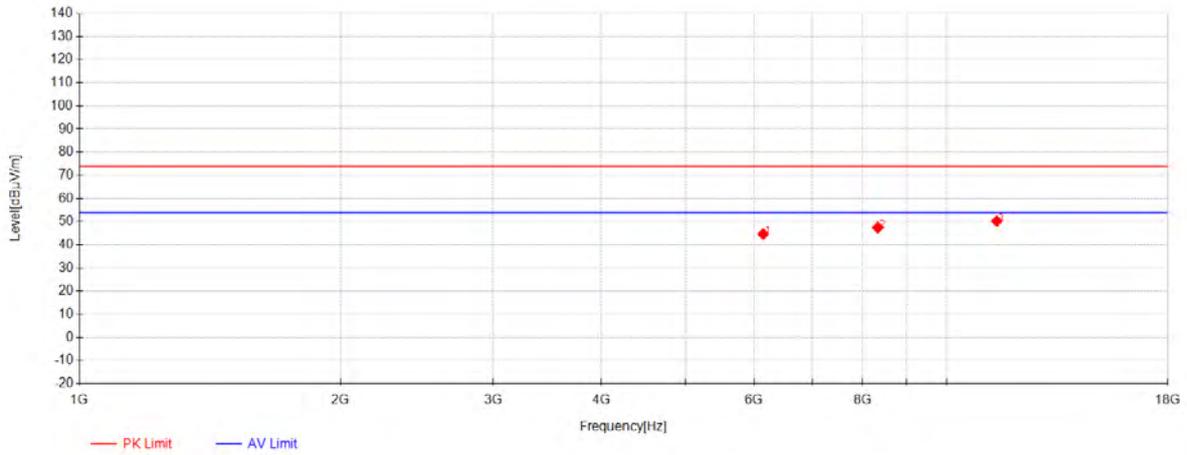
Transmitter emission Above 1GHz

802.11b_Channel 01



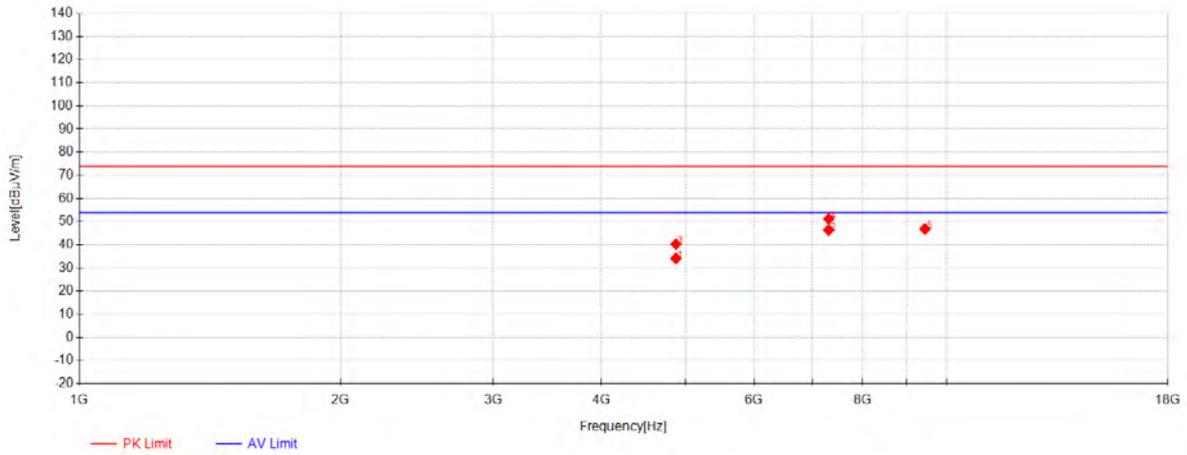
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4912	48.51	33.01	-41.23	40.28	74.00	33.72	Horizontal
2	7192	46.65	36.23	-38.06	44.82	74.00	29.18	Horizontal
3	9361.5	43.42	37.71	-33.91	47.22	74.00	26.78	Horizontal

802.11b_Channel 01



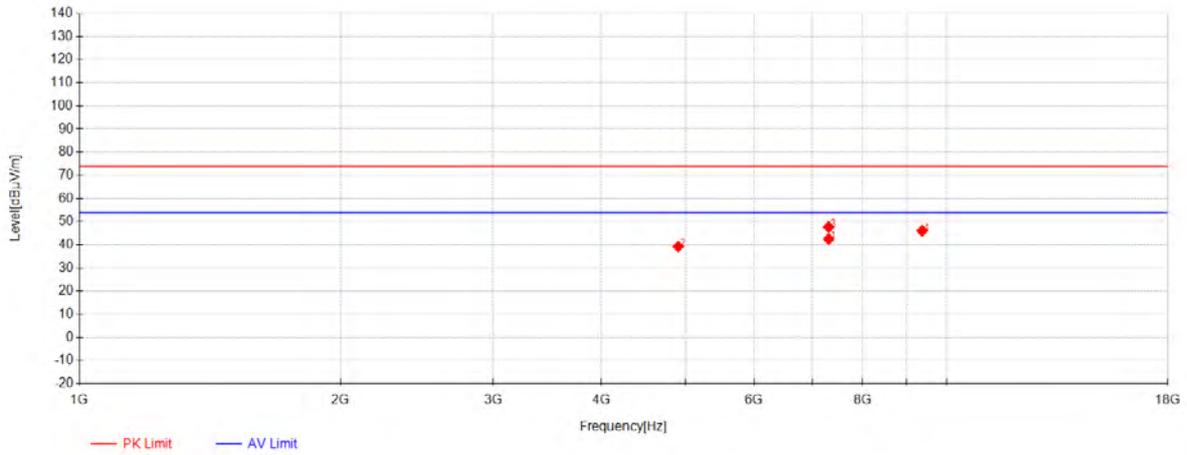
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6144.5	49.39	35.09	-39.78	44.70	74.00	29.30	Vertical
2	8331	46.04	37.27	-35.87	47.43	74.00	26.57	Vertical
3	11425.5	42.07	38.40	-30.27	50.20	74.00	23.80	Vertical

802.11b_Channel 06



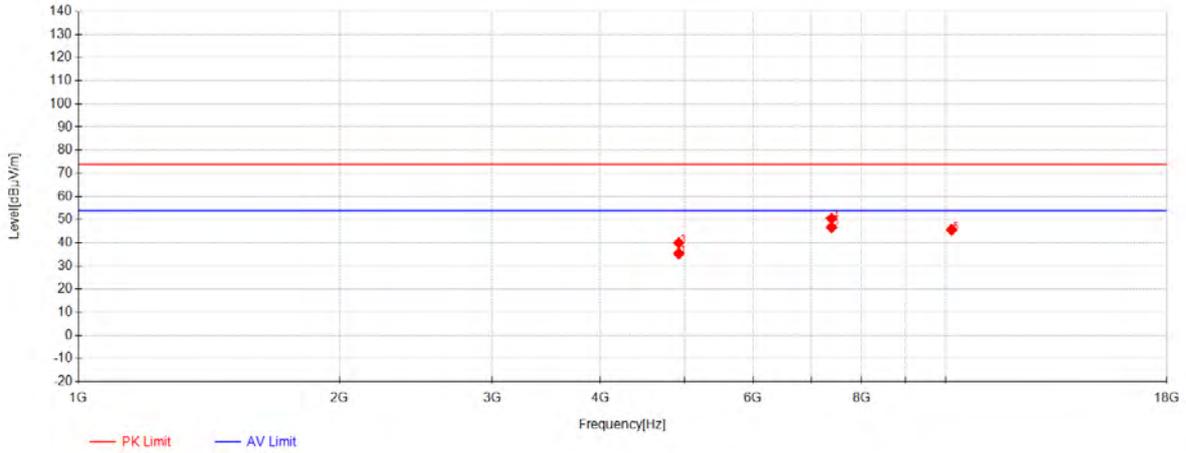
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4874.5	42.51	32.92	-41.28	34.16	54.00	19.84	Horizontal
2	7312.5	47.44	36.38	-37.43	46.39	54.00	7.61	Horizontal
3	4874	48.69	32.92	-41.28	40.33	74.00	33.67	Horizontal
4	7311.5	52.21	36.37	-37.42	51.16	74.00	22.84	Horizontal
5	9443	42.92	37.73	-33.81	46.85	74.00	27.15	Horizontal

802.11b_Channel 06



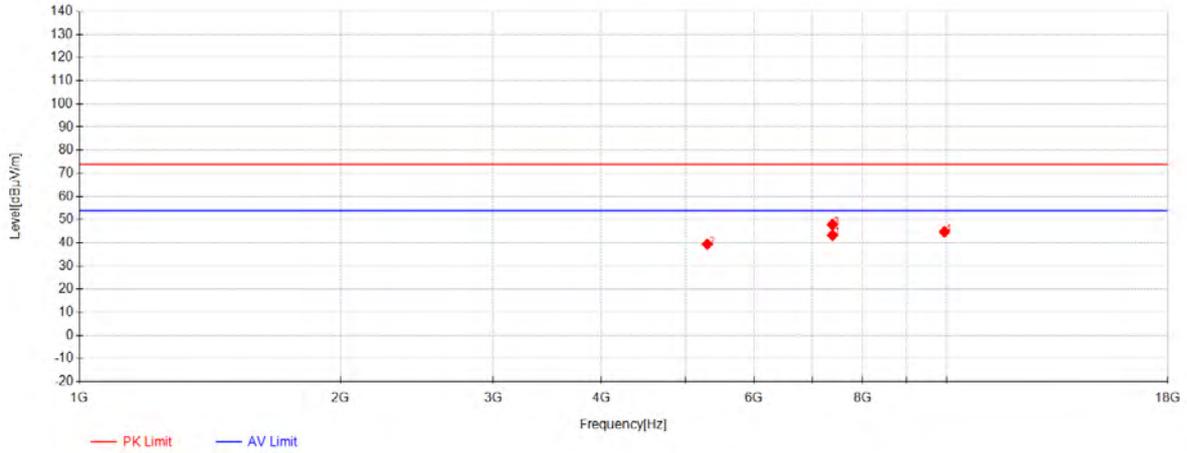
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7313	43.60	36.38	-37.43	42.55	54.00	11.45	Vertical
2	4904.5	47.49	32.99	-41.21	39.27	74.00	34.73	Vertical
3	7313	48.69	36.38	-37.43	47.64	74.00	26.36	Vertical
4	9373	42.19	37.71	-33.86	46.04	74.00	27.96	Vertical

802.11b_Channel 11



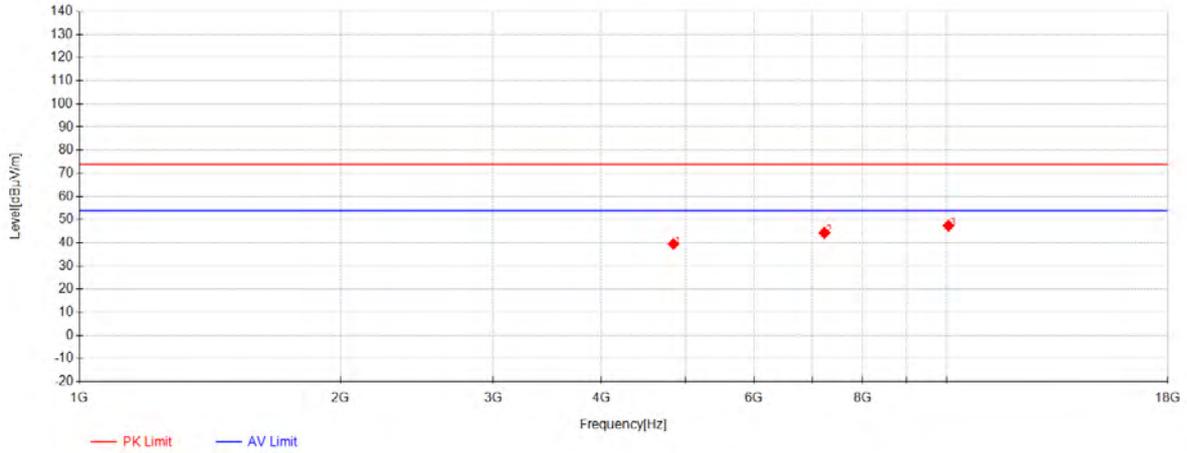
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4924.5	43.56	33.03	-41.27	35.33	54.00	18.67	Horizontal
2	7388	48.04	36.47	-37.83	46.68	54.00	7.32	Horizontal
3	4924	48.19	33.03	-41.26	39.96	74.00	34.04	Horizontal
4	7387.5	51.83	36.47	-37.82	50.47	74.00	23.53	Horizontal
5	10160.5	39.74	37.98	-32.11	45.61	74.00	28.39	Horizontal

802.11b_Channel 11



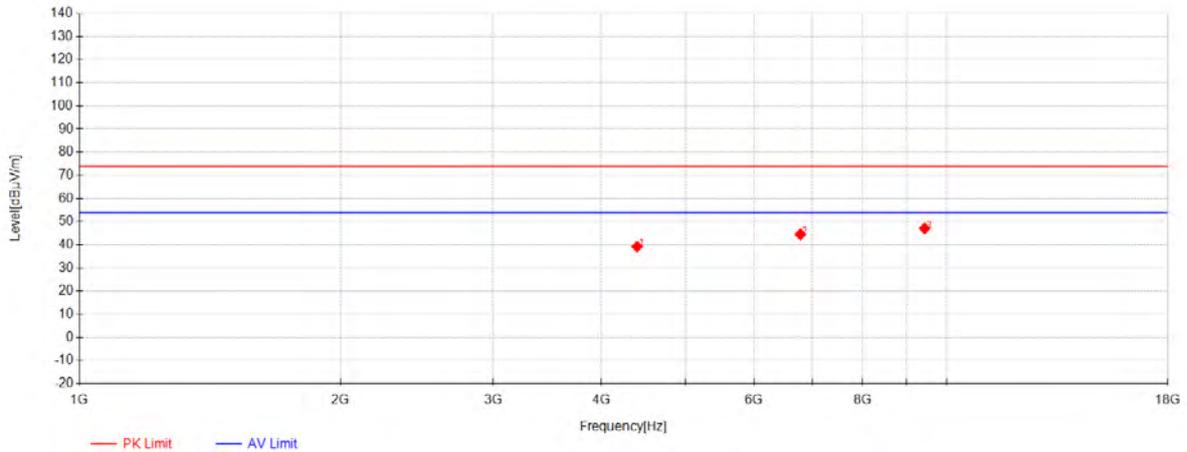
Data List								
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1	7387.5	44.70	36.47	-37.82	43.34	54.00	10.66	Vertical
2	5297.5	47.18	33.14	-40.91	39.41	74.00	34.59	Vertical
3	7385	49.19	36.46	-37.81	47.84	74.00	26.16	Vertical
4	9943.5	39.38	37.88	-32.51	44.76	74.00	29.24	Vertical

802.11n20 MIMO_Channel 01



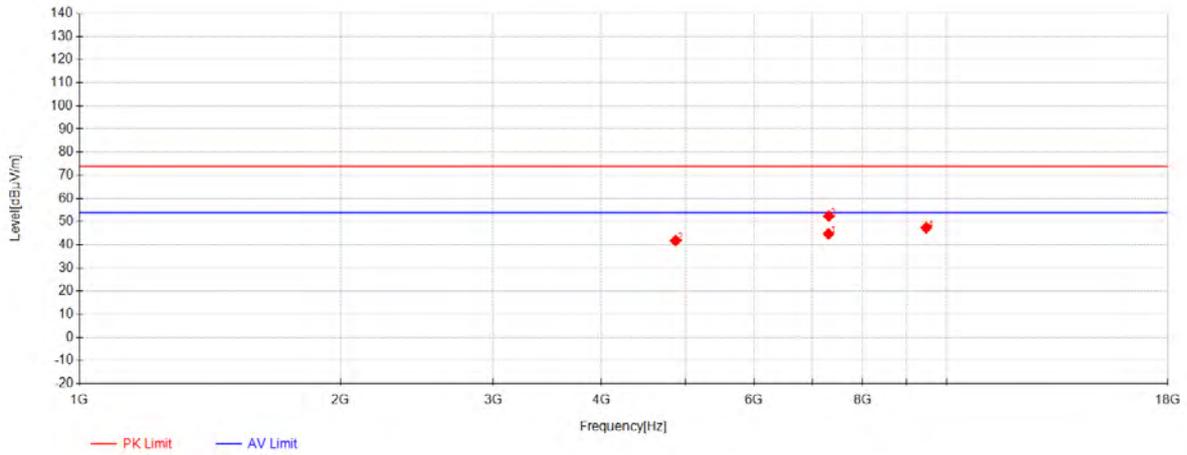
Data List								
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1	4842	48.04	32.85	-41.37	39.52	74.00	34.48	Horizontal
2	7229.5	45.92	36.28	-37.85	44.34	74.00	29.66	Horizontal
3	10049.5	41.75	37.92	-32.31	47.36	74.00	26.64	Horizontal

802.11n20 MIMO_Channel 01



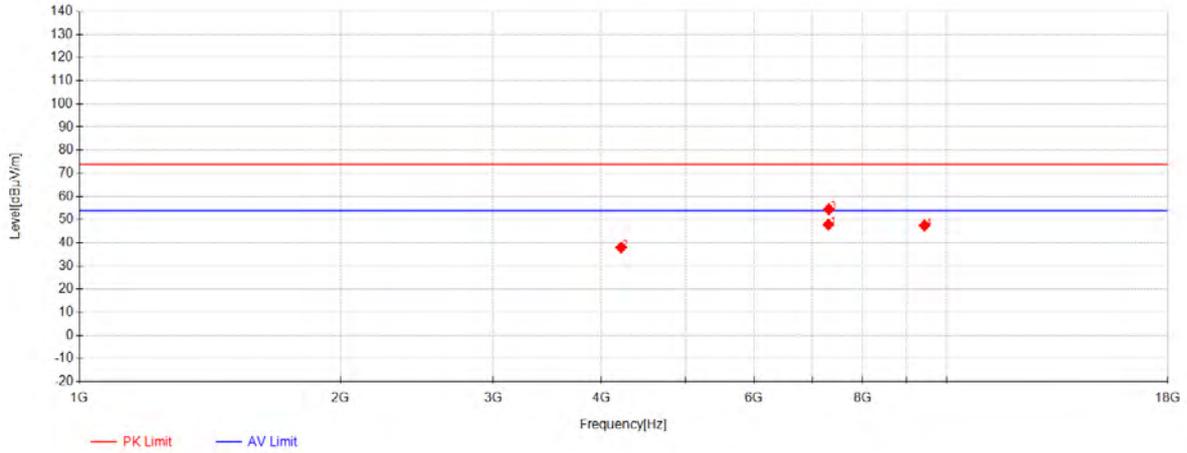
Data List								
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1	4397	49.45	31.94	-42.15	39.24	74.00	34.76	Vertical
2	6784	47.17	35.91	-38.51	44.57	74.00	29.43	Vertical
3	9434.5	43.12	37.73	-33.79	47.06	74.00	26.94	Vertical

802.11n20 MIMO_Channel 06



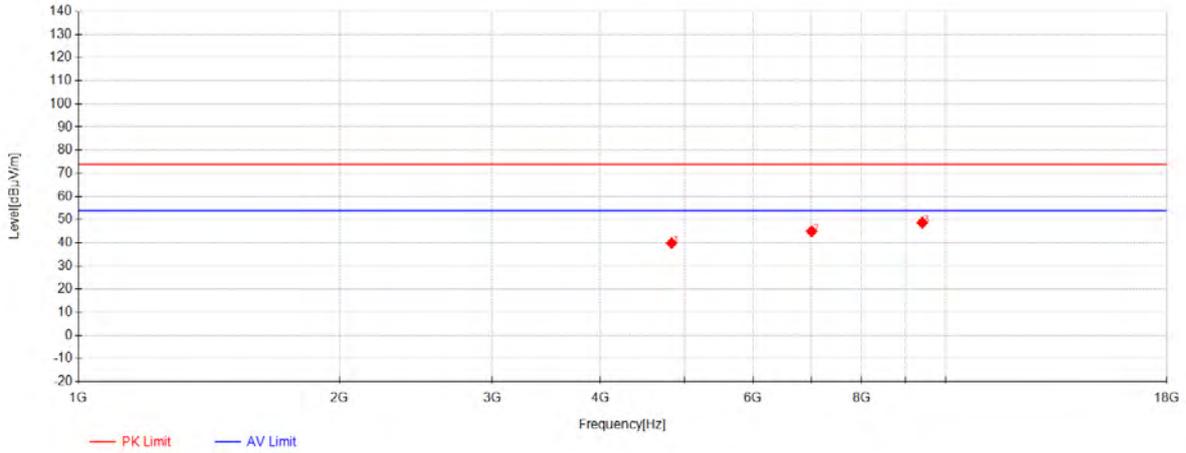
Data List								
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1	7309.5	45.80	36.37	-37.41	44.76	54.00	9.24	Horizontal
2	4870	50.19	32.91	-41.29	41.81	74.00	32.19	Horizontal
3	7314.5	53.41	36.38	-37.44	52.35	74.00	21.65	Horizontal
4	9475	43.45	37.74	-33.85	47.35	74.00	26.65	Horizontal

802.11n20 MIMO_Channel 06



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7307	48.88	36.37	-37.40	47.85	54.00	6.15	Vertical
2	4214	48.45	31.64	-42.13	37.96	74.00	36.04	Vertical
3	7317.5	55.60	36.38	-37.45	54.53	74.00	19.47	Vertical
4	9429.5	43.51	37.73	-33.79	47.45	74.00	26.55	Vertical

802.11n20 MIMO_Channel 11



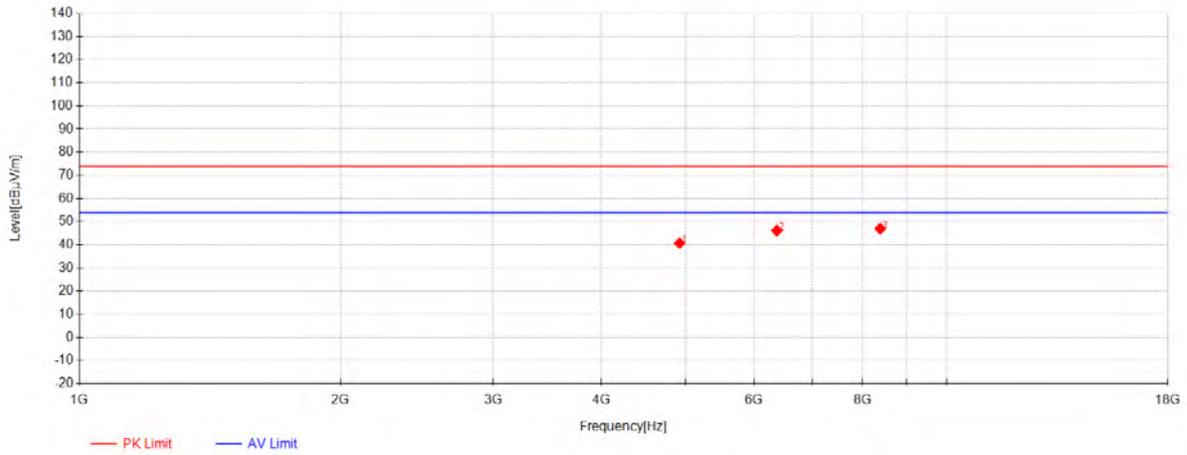
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1	4831.5	48.43	32.83	-41.41	39.85	74.00	34.15	Horizontal
2	7006.5	47.32	36.01	-38.36	44.96	74.00	29.04	Horizontal
3	9401	44.69	37.72	-33.75	48.66	74.00	25.34	Horizontal



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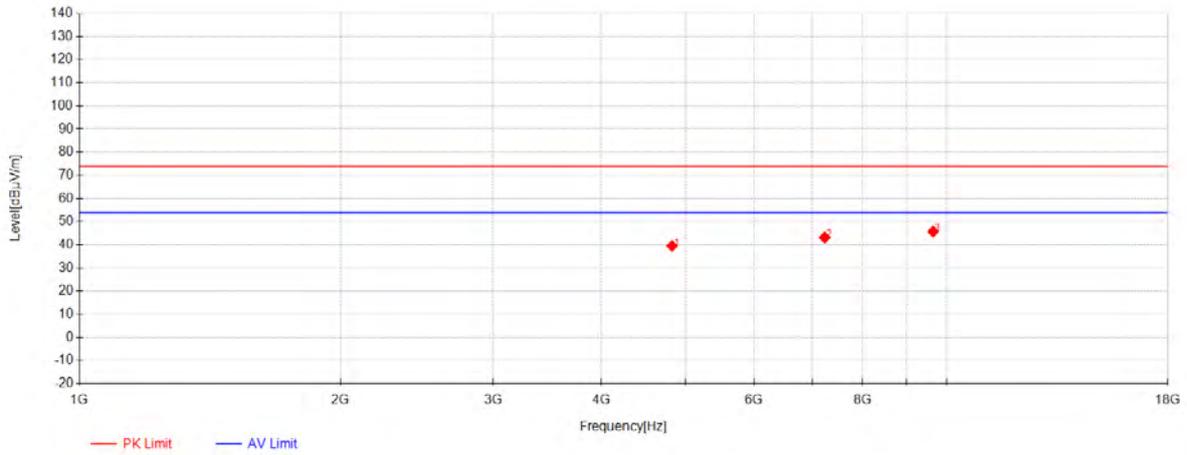
Report No.: SUCR250600052506
 Rev.: 01
 Page: 161 of 224

802.11n20 MIMO_Channel 11



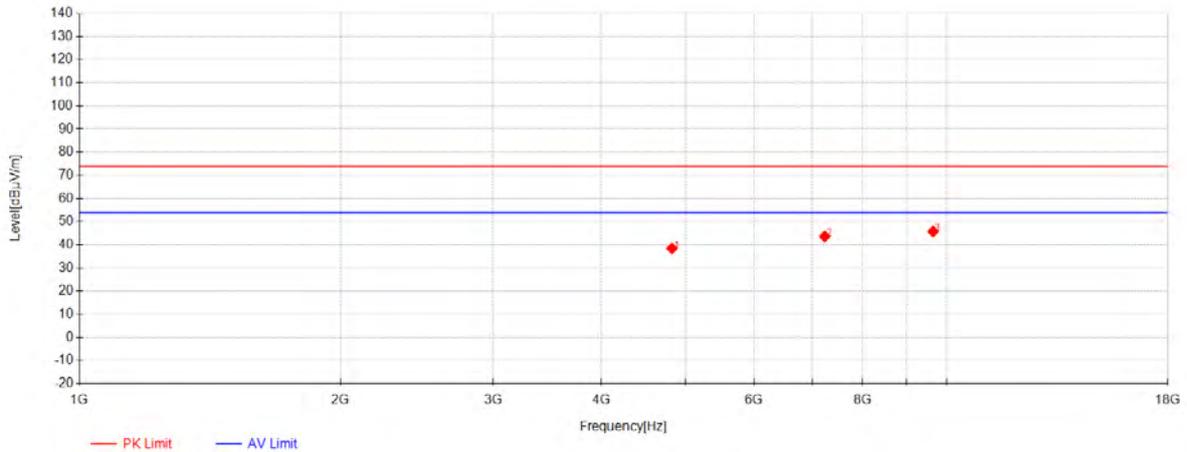
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1	4921	48.92	33.03	-41.26	40.69	74.00	33.31	Vertical
2	6371.5	49.86	35.54	-39.27	46.13	74.00	27.87	Vertical
3	8385.5	45.30	37.29	-35.63	46.96	74.00	27.04	Vertical

802.11ax20 MIMO_Channel 01



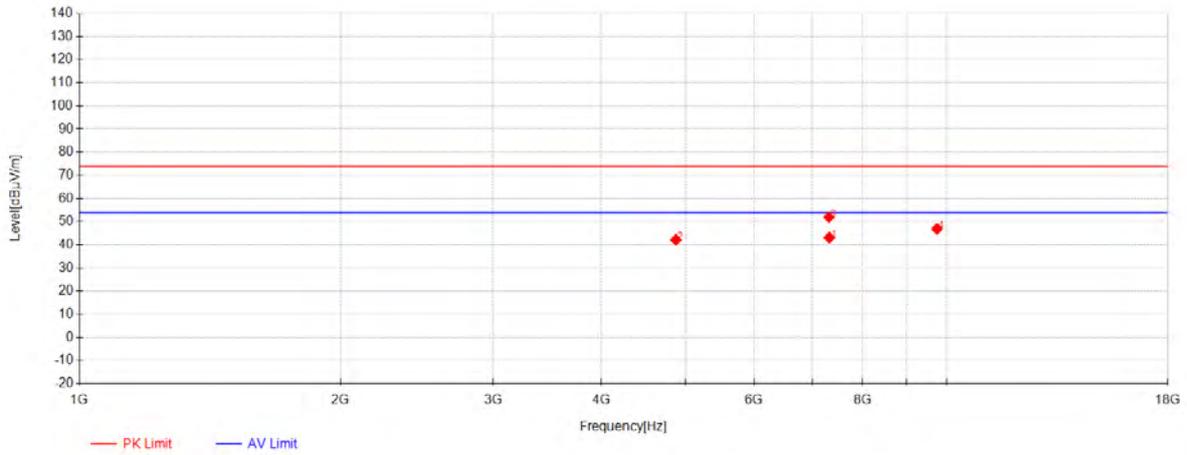
Data List								
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1	4824	48.14	32.81	-41.43	39.52	74.00	34.48	Horizontal
2	7236	44.71	36.28	-37.81	43.19	74.00	30.81	Horizontal
3	9648	41.21	37.79	-33.26	45.74	74.00	28.26	Horizontal

802.11ax20 MIMO_Channel 01



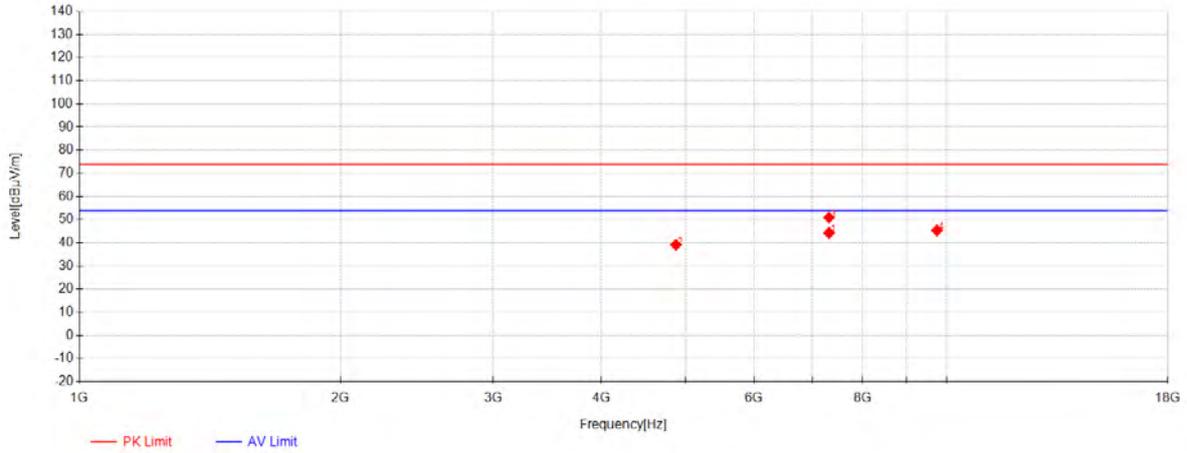
Data List								
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1	4824	47.05	32.81	-41.43	38.43	74.00	35.57	Vertical
2	7236	45.17	36.28	-37.81	43.65	74.00	30.35	Vertical
3	9648	41.25	37.79	-33.26	45.78	74.00	28.22	Vertical

802.11ax20 MIMO_Channel 06



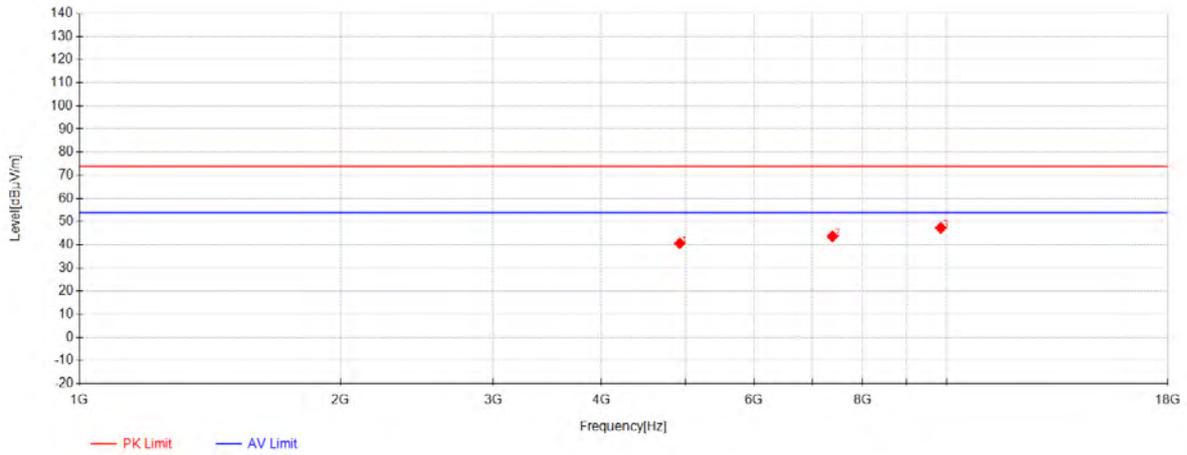
Data List								
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1	7324.5	44.26	36.39	-37.49	43.16	54.00	10.84	Horizontal
2	4874	50.54	32.92	-41.28	42.18	74.00	31.82	Horizontal
3	7317.5	52.99	36.38	-37.45	51.92	74.00	22.08	Horizontal
4	9748	42.10	37.82	-33.06	46.87	74.00	27.13	Horizontal

802.11ax20 MIMO_Channel 06



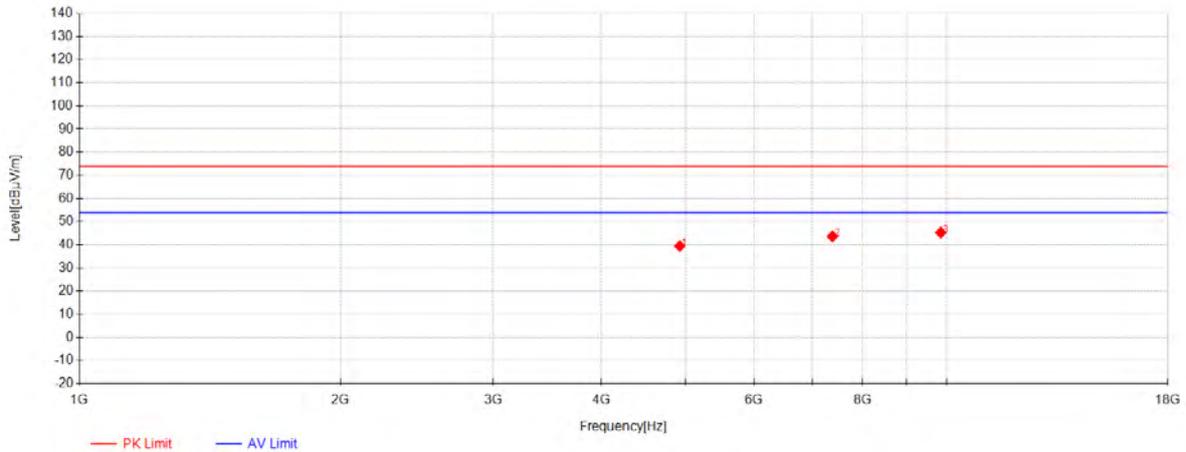
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7320	45.40	36.38	-37.47	44.32	54.00	9.68	Vertical
2	4874	47.51	32.92	-41.28	39.15	74.00	34.85	Vertical
3	7318	51.99	36.38	-37.46	50.92	74.00	23.08	Vertical
4	9748	40.59	37.82	-33.06	45.36	74.00	28.64	Vertical

802.11ax20 MIMO_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4924	48.84	33.03	-41.26	40.61	74.00	33.39	Horizontal
2	7386	45.03	36.46	-37.82	43.68	74.00	30.32	Horizontal
3	9848	42.29	37.85	-32.85	47.29	74.00	26.71	Horizontal

802.11ax20 MIMO_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4924	47.70	33.03	-41.26	39.47	74.00	34.53	Vertical
2	7386	45.02	36.46	-37.82	43.67	74.00	30.33	Vertical
3	9848	40.33	37.85	-32.85	45.33	74.00	28.67	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:
 $Level = Reading(dB\mu V) + AF(dB/m) + Factor(dB)$
 $AF = Antenna\ Factor(dB/m)$
 $Factor = Cable\ Factor(dB) - Preamplifier\ gain(dB)$
 $Margin = Limit(dB\mu V/m) - Level(dB\mu V/m)$
- All channels have been tested, but only the worst case data displayed in this report.
- Both peak and average measured complies with the limit line, so test result is "PASS"

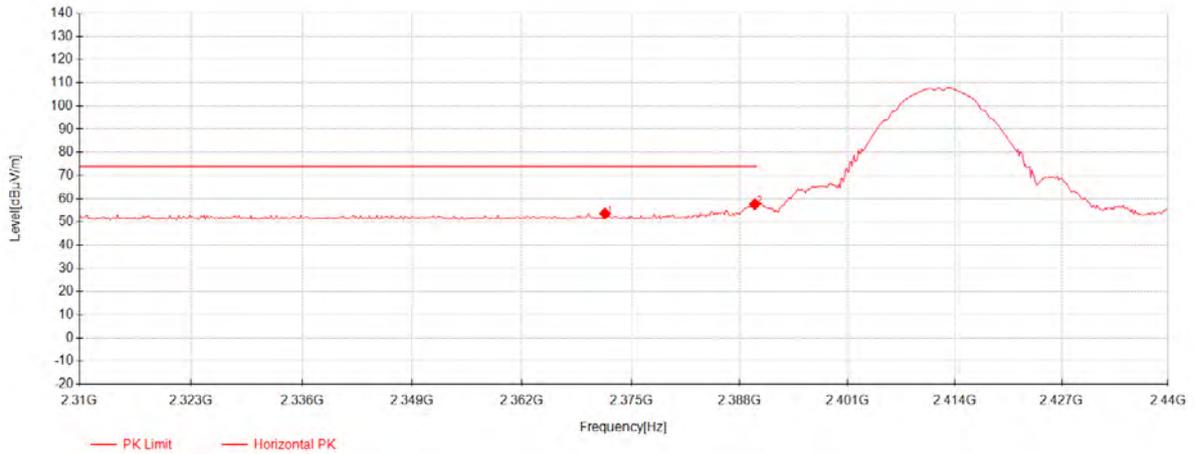


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Report No.: SUCR250600052506
Rev.: 01
Page: 168 of 224

Restricted bands around fundamental frequency

802.11b_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2371.88	49.82	27.12	-23.30	53.64	74.00	20.36	Horizontal
2	2389.82	53.80	27.16	-23.31	57.64	74.00	16.36	Horizontal

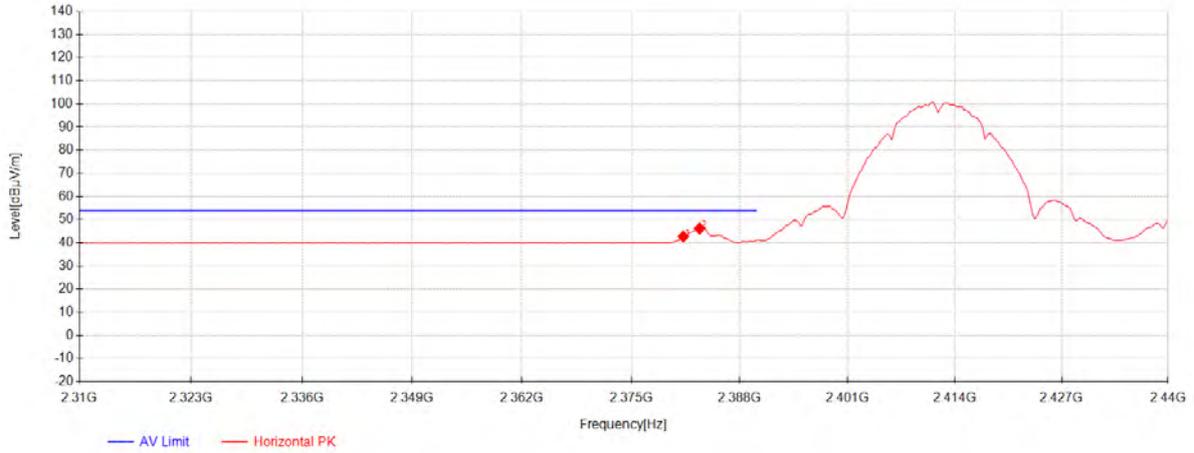
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Report No.: SUCR250600052506

Rev.: 01

Page: 170 of 224

802.11b_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2381.24	38.91	27.14	-23.31	42.74	54.00	11.26	Horizontal
2	2383.19	42.35	27.14	-23.31	46.18	54.00	7.82	Horizontal

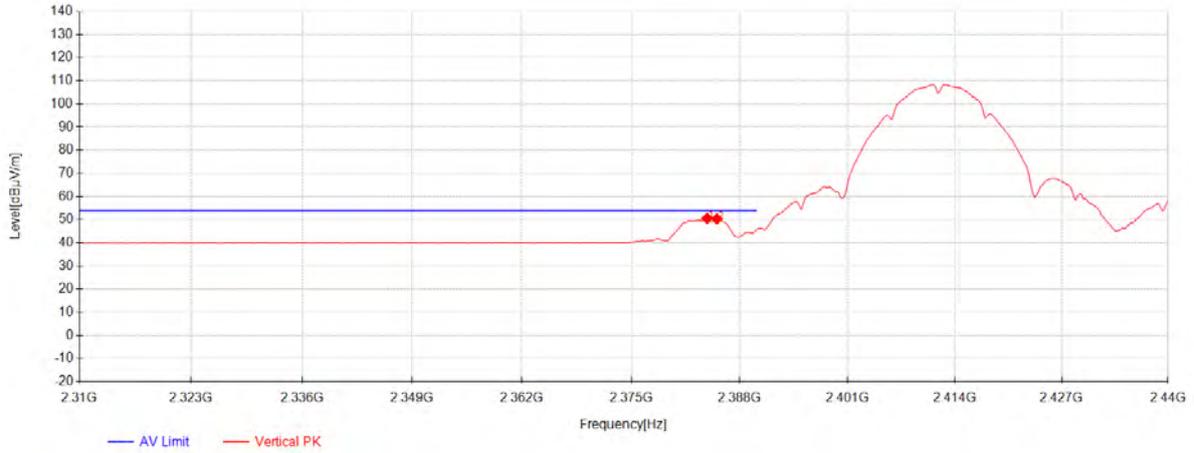
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Report No.: SUCR250600052506

Rev.: 01

Page: 171 of 224

802.11b_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2384.1	46.72	27.15	-23.31	50.56	54.00	3.44	Vertical
2	2385.27	46.47	27.15	-23.31	50.31	54.00	3.69	Vertical

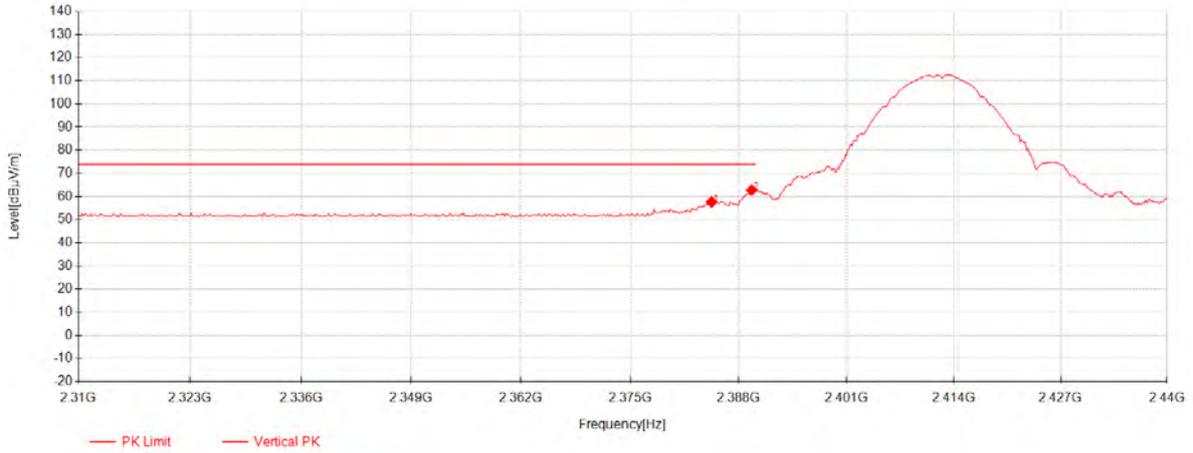
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Report No.: SUCR250600052506

Rev.: 01

Page: 172 of 224

802.11b_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2384.75	53.79	27.15	-23.31	57.63	74.00	16.37	Vertical
2	2389.56	58.89	27.16	-23.31	62.73	74.00	11.27	Vertical

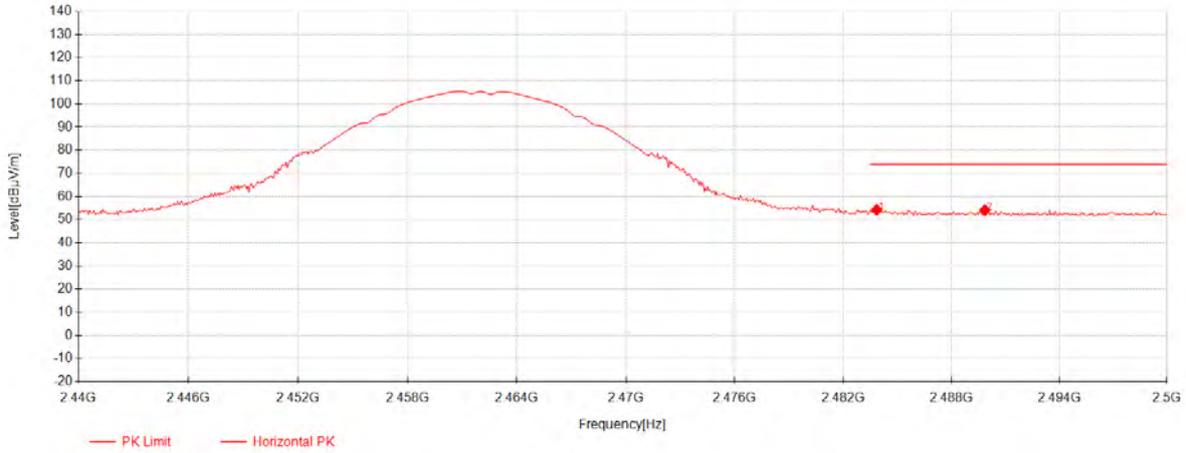
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Report No.: SUCR250600052506

Rev.: 01

Page: 173 of 224

802.11b_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.86	50.19	27.36	-23.27	54.28	74.00	19.72	Horizontal
2	2489.86	50.02	27.38	-23.27	54.13	74.00	19.87	Horizontal

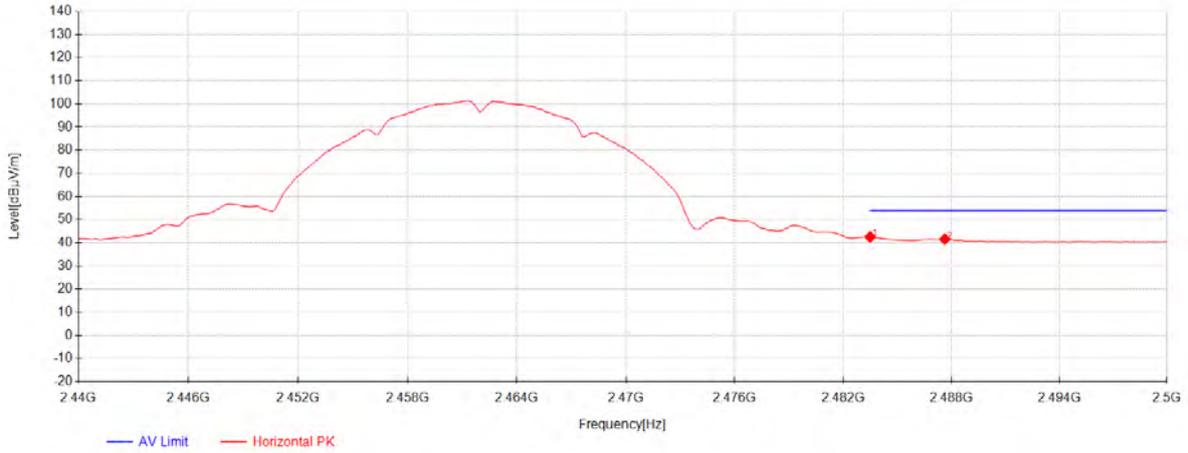
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Report No.: SUCR250600052506

Rev.: 01

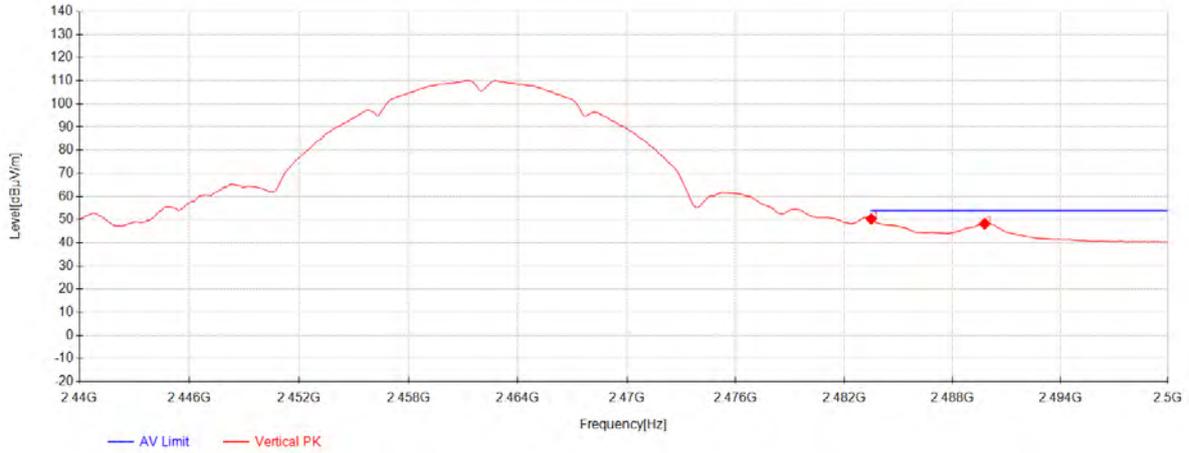
Page: 174 of 224

802.11b_Channel 11



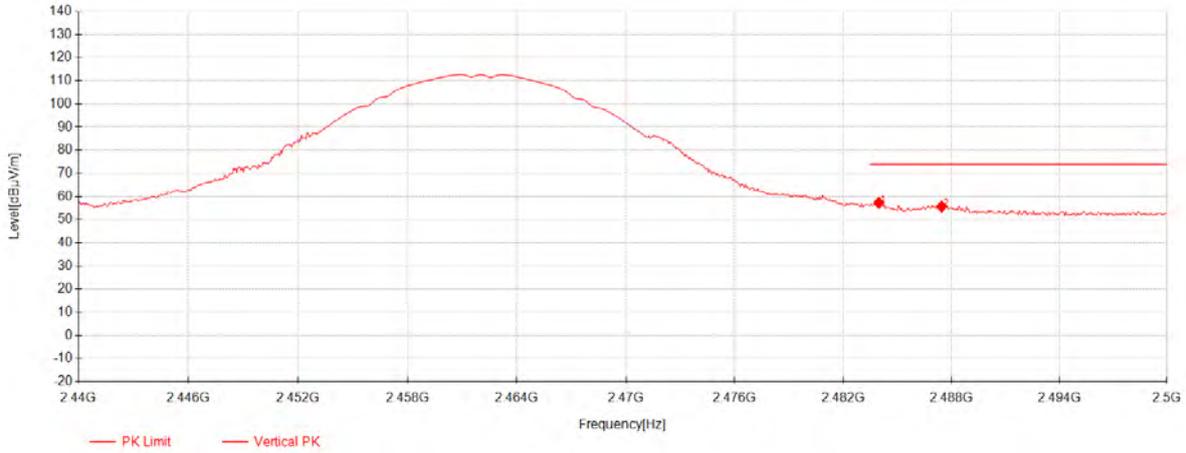
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.5	38.49	27.36	-23.27	42.58	54.00	11.42	Horizontal
2	2487.64	37.50	27.37	-23.27	41.61	54.00	12.39	Horizontal

802.11b_Channel 11



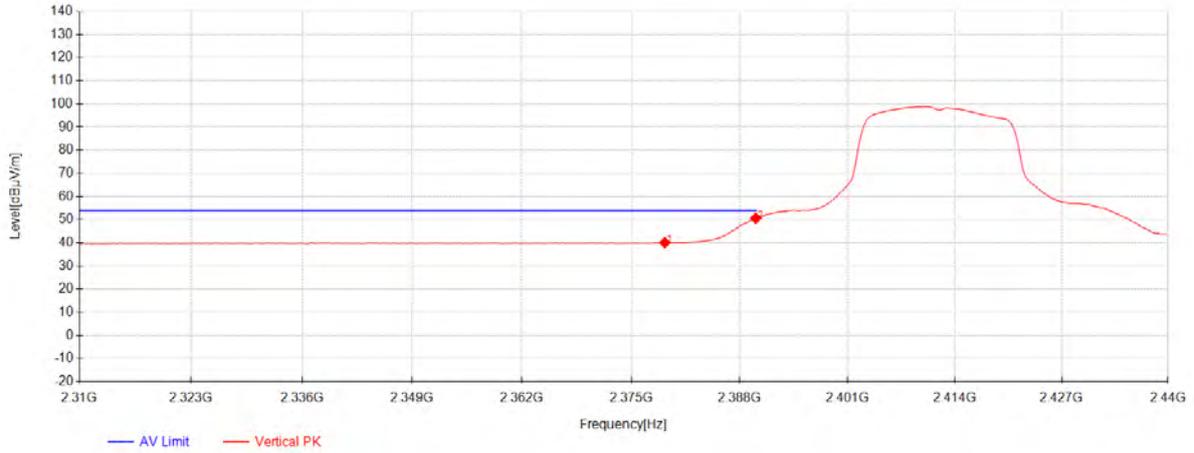
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NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.5	46.18	27.36	-23.27	50.27	54.00	3.73	Vertical
2	2489.8	44.10	27.38	-23.27	48.21	54.00	5.79	Vertical

802.11b_Channel 11



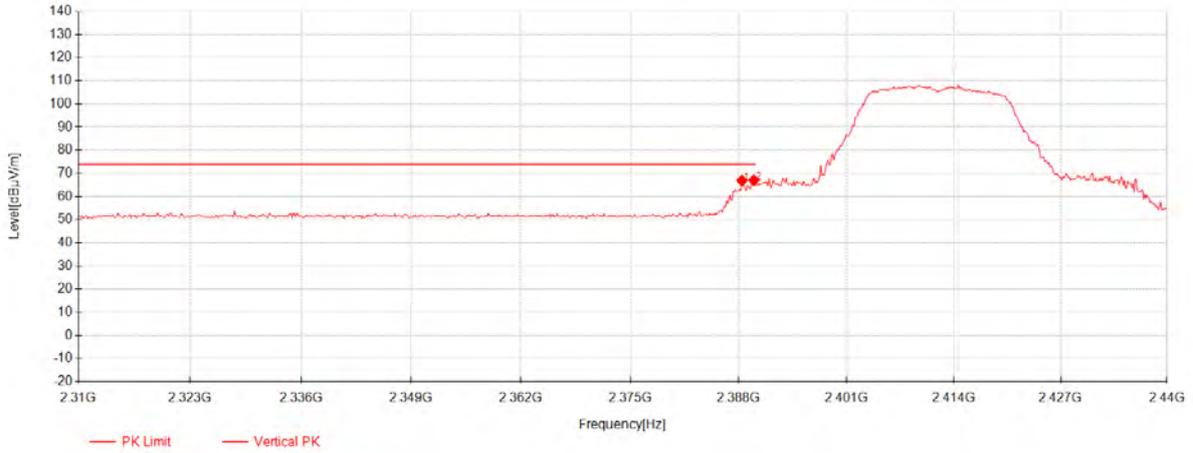
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.98	53.17	27.36	-23.27	57.27	74.00	16.73	Vertical
2	2487.46	51.57	27.37	-23.27	55.67	74.00	18.33	Vertical

802.11n20 MIMO_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2379.03	36.26	27.13	-23.31	40.09	54.00	13.91	Vertical
2	2389.95	46.78	27.16	-23.31	50.62	54.00	3.38	Vertical

802.11n20 MIMO_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.39	63.07	27.15	-23.31	66.91	74.00	7.09	Vertical
2	2389.82	63.19	27.16	-23.31	67.03	74.00	6.97	Vertical

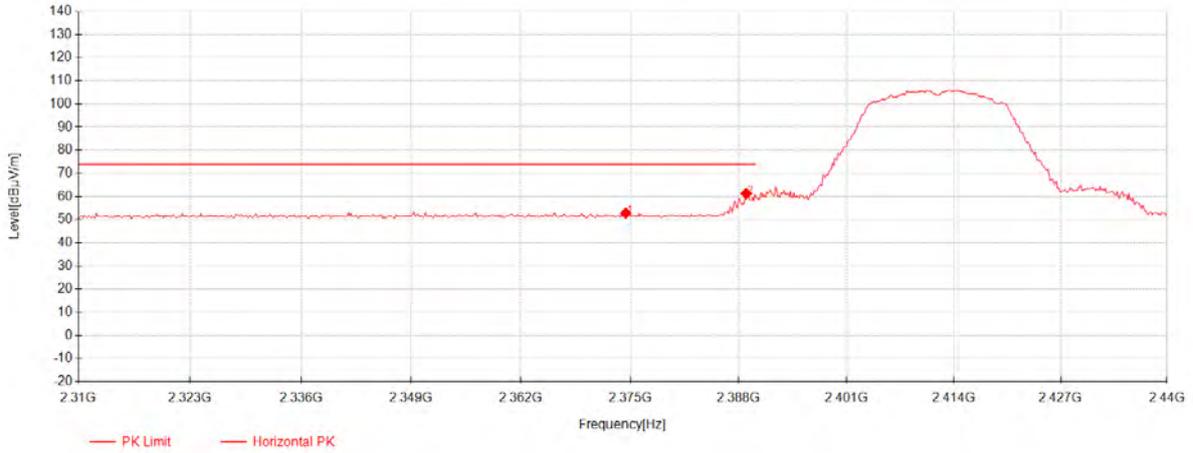
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Report No.: SUCR250600052506

Rev.: 01

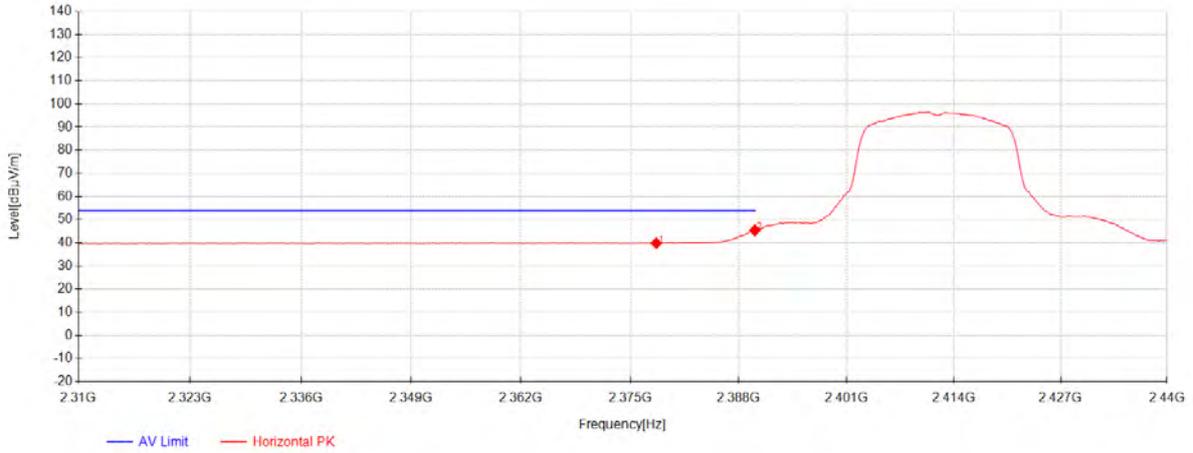
Page: 179 of 224

802.11n20 MIMO_Channel 01



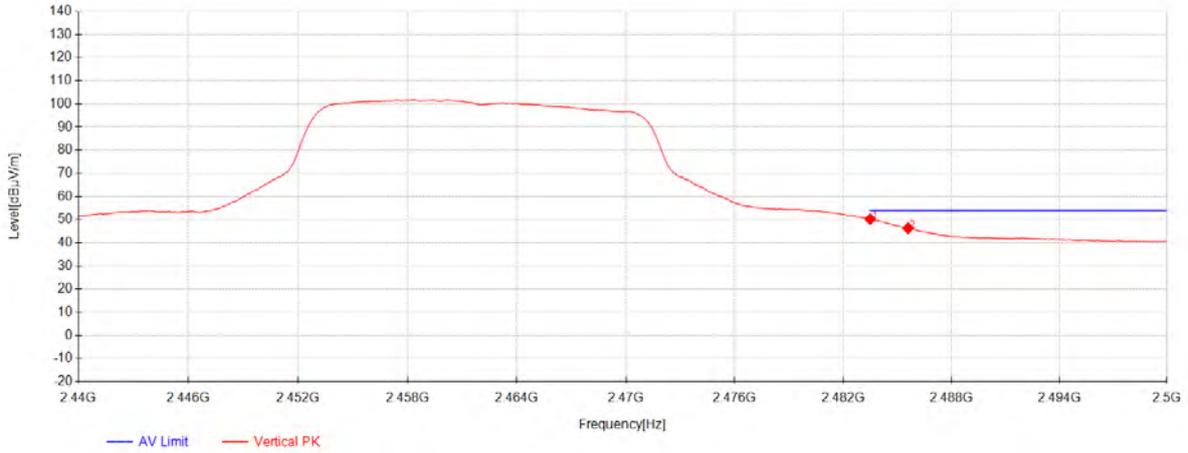
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NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2374.48	48.99	27.12	-23.30	52.81	74.00	21.19	Horizontal
2	2388.91	57.42	27.16	-23.31	61.26	74.00	12.74	Horizontal

802.11n20 MIMO_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2378.12	35.98	27.13	-23.30	39.81	54.00	14.19	Horizontal
2	2389.95	41.53	27.16	-23.31	45.37	54.00	8.63	Horizontal

802.11n20 MIMO_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.5	46.12	27.36	-23.27	50.21	54.00	3.79	Vertical
2	2485.6	42.20	27.37	-23.27	46.30	54.00	7.70	Vertical

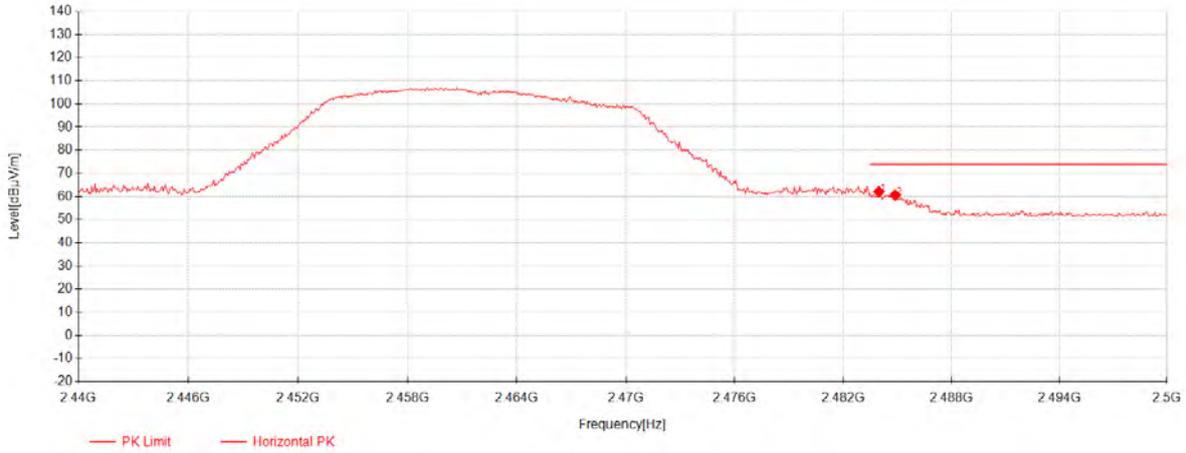
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Report No.: SUCR250600052506

Rev.: 01

Page: 182 of 224

802.11n20 MIMO_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.98	57.99	27.36	-23.27	62.09	74.00	11.91	Horizontal
2	2484.88	56.43	27.37	-23.27	60.53	74.00	13.47	Horizontal

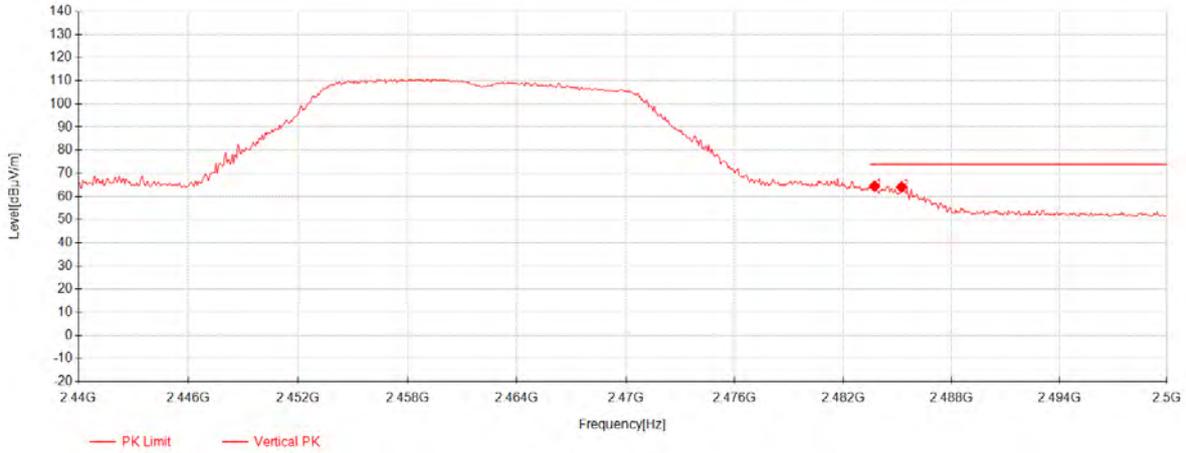
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Report No.: SUCR250600052506

Rev.: 01

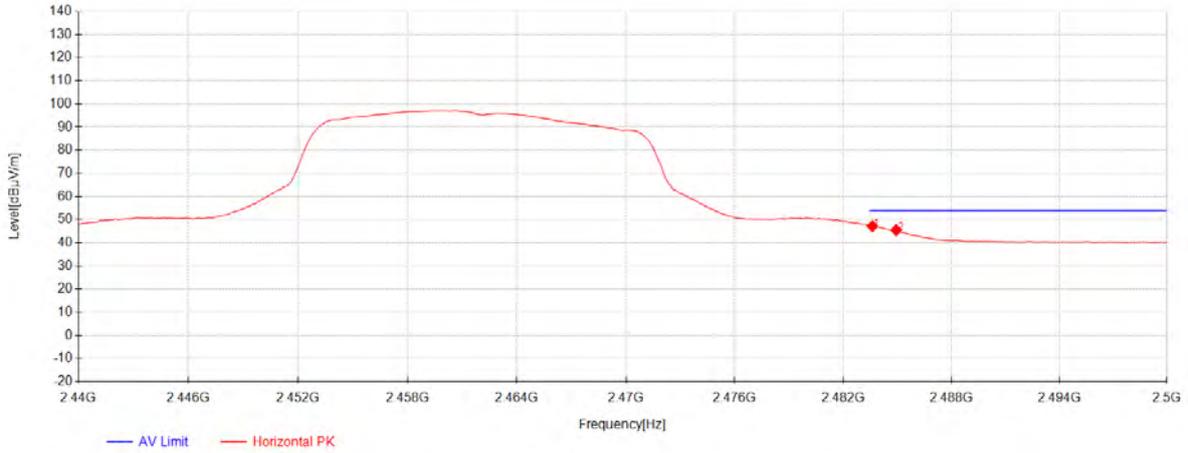
Page: 183 of 224

802.11n20 MIMO_Channel 11



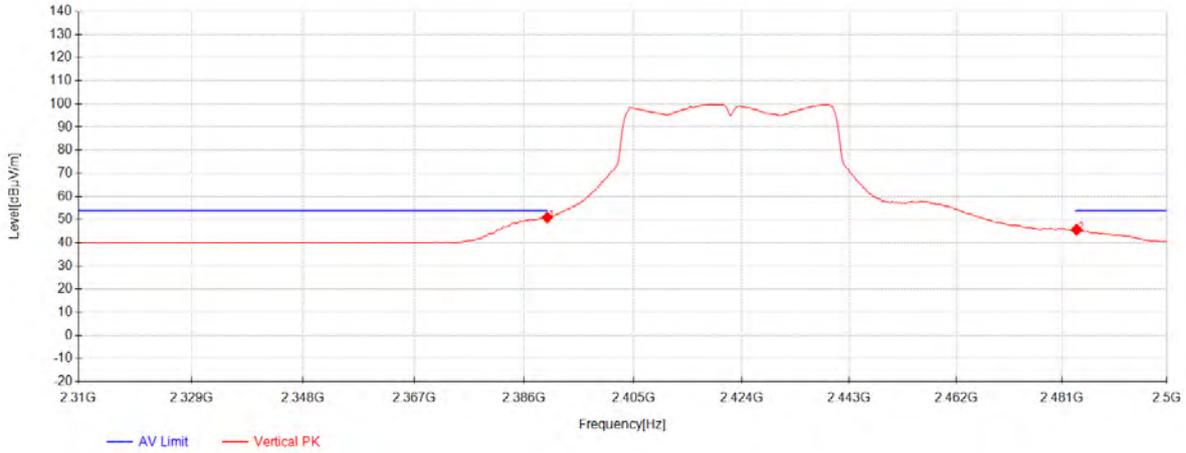
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.74	60.40	27.36	-23.27	64.49	74.00	9.51	Vertical
2	2485.24	60.02	27.37	-23.27	64.12	74.00	9.88	Vertical

802.11n20 MIMO_Channel 11



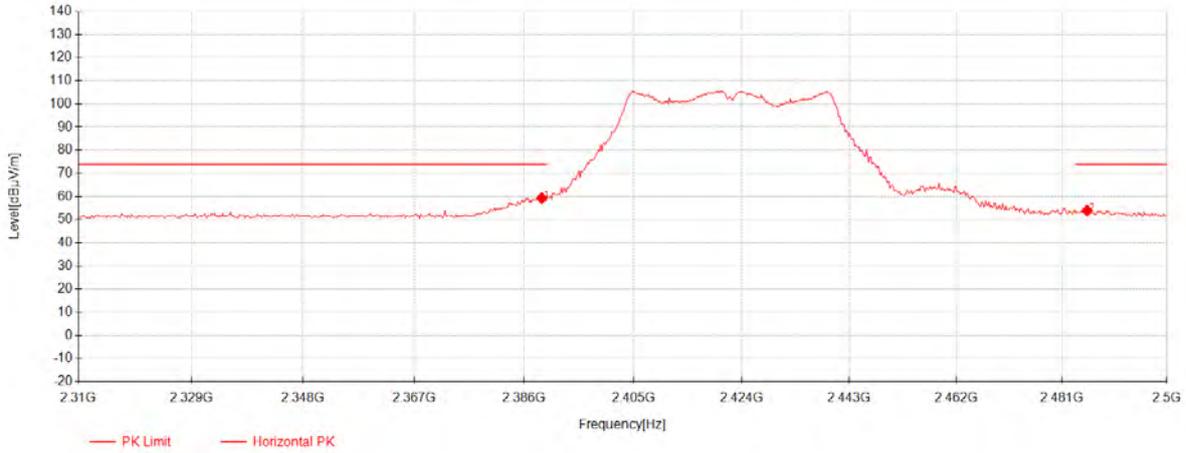
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.62	43.07	27.36	-23.27	47.16	54.00	6.84	Horizontal
2	2484.94	41.41	27.37	-23.27	45.51	54.00	8.49	Horizontal

802.11n40 MIMO_Channel 3



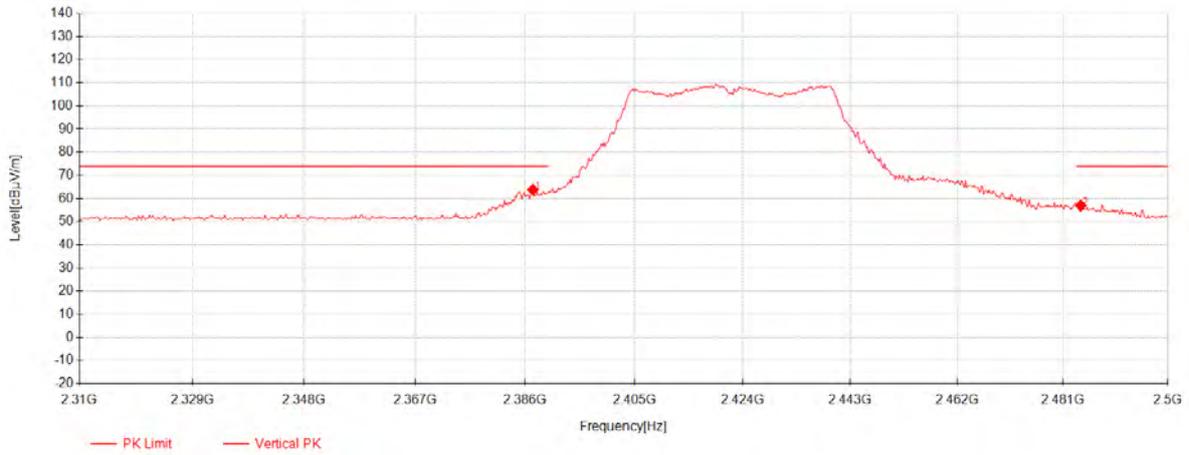
Data List								
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1	2389.99	47.08	27.16	-23.31	50.92	54.00	3.08	Vertical
2	2483.66	41.57	27.36	-23.27	45.66	54.00	8.34	Vertical

802.11n40 MIMO_Channel 3



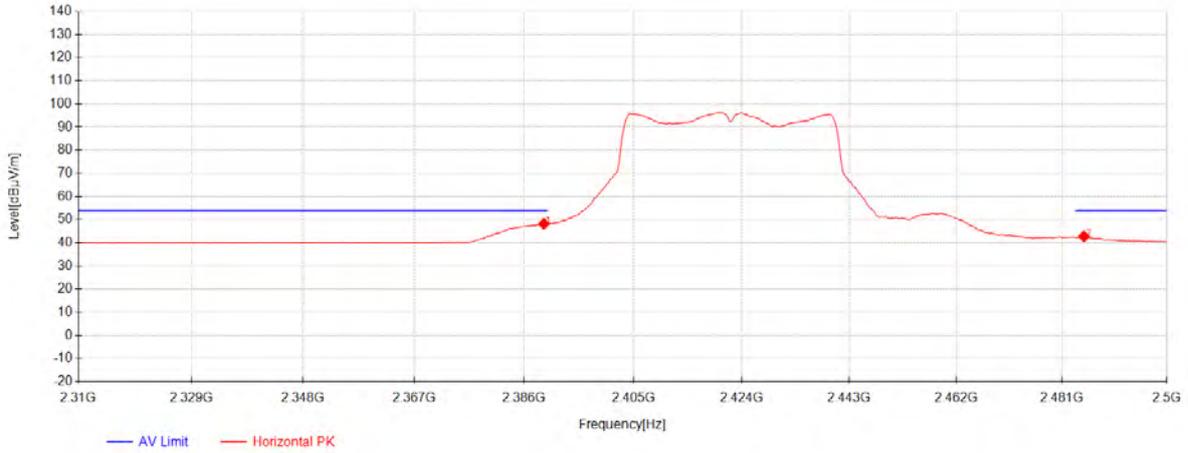
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.04	55.45	27.16	-23.31	59.29	74.00	14.71	Horizontal
2	2485.56	49.87	27.37	-23.27	53.97	74.00	20.03	Horizontal

802.11n40 MIMO_Channel 3



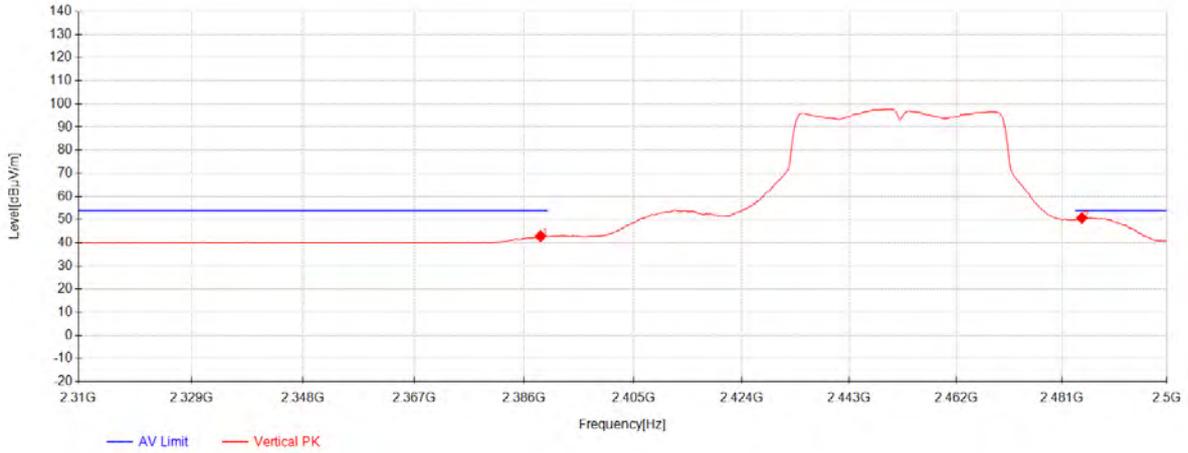
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NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.33	59.96	27.15	-23.31	63.80	74.00	10.20	Vertical
2	2484.23	52.84	27.37	-23.27	56.94	74.00	17.06	Vertical

802.11n40 MIMO_Channel 3



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.42	44.32	27.16	-23.31	48.16	54.00	5.84	Horizontal
2	2484.99	38.70	27.37	-23.27	42.80	54.00	11.20	Horizontal

802.11n40 MIMO_Channel 9



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.85	39.06	27.16	-23.31	42.90	54.00	11.10	Vertical
2	2484.61	46.62	27.37	-23.27	50.72	54.00	3.28	Vertical

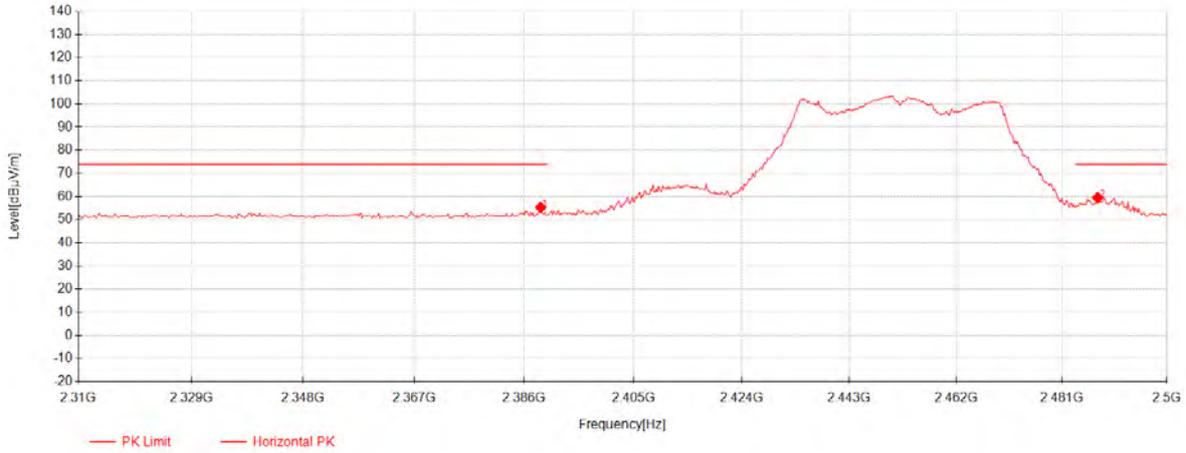
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Report No.: SUCR250600052506

Rev.: 01

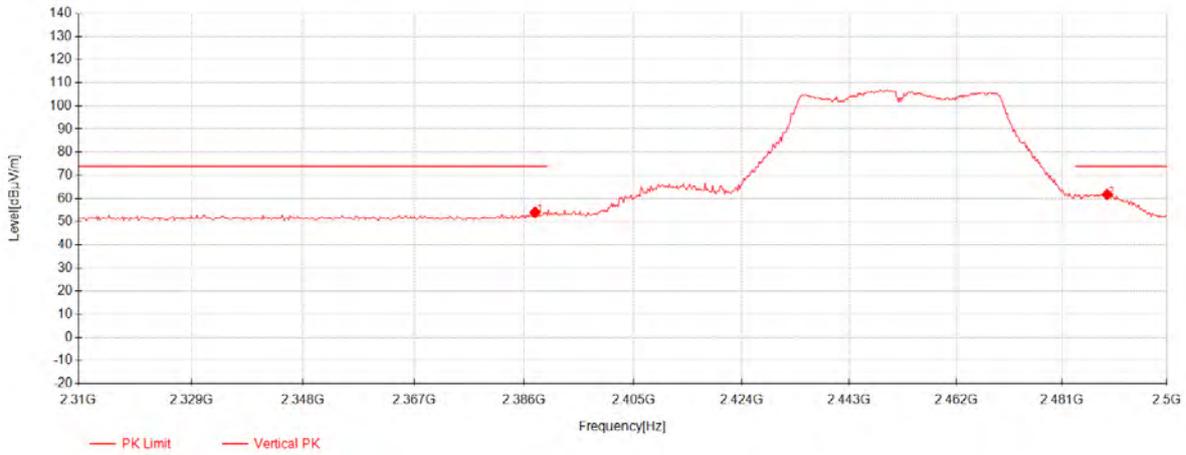
Page: 190 of 224

802.11n40 MIMO_Channel 9



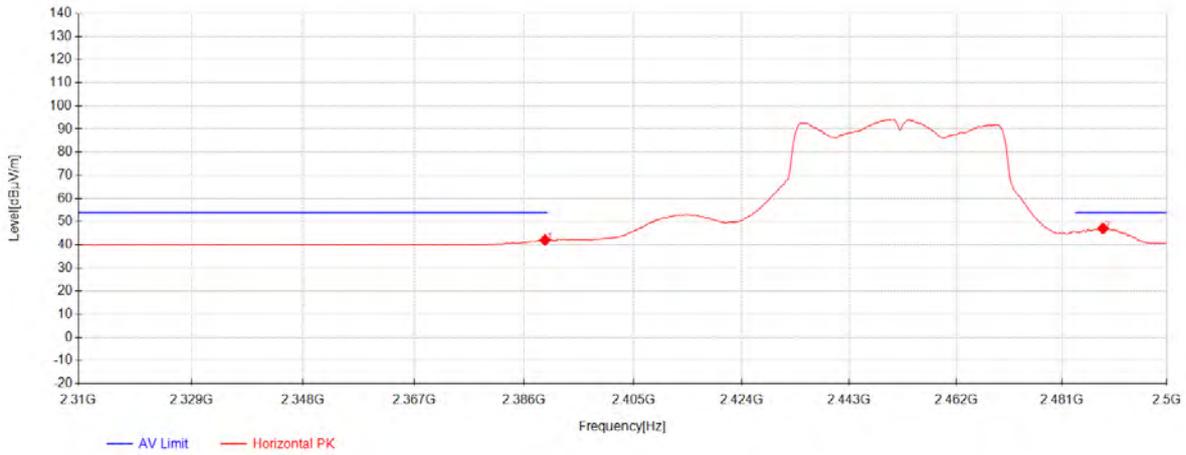
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1	2388.85	51.44	27.16	-23.31	55.28	74.00	18.72	Horizontal
2	2487.46	55.34	27.37	-23.27	59.44	74.00	14.56	Horizontal

802.11n40 MIMO_Channel 9



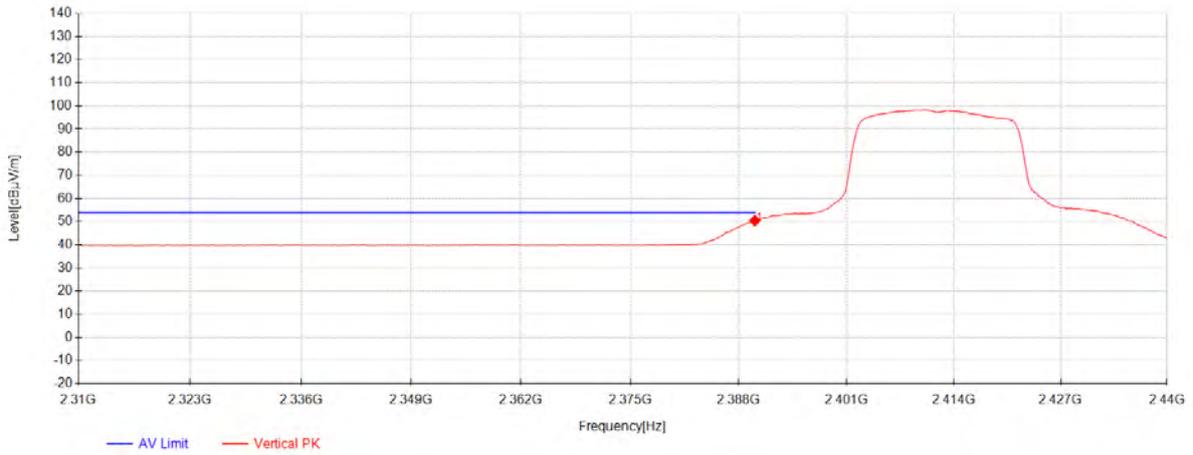
Data List								
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1	2387.9	50.22	27.15	-23.31	54.06	74.00	19.94	Vertical
2	2489.17	57.61	27.38	-23.27	61.72	74.00	12.28	Vertical

802.11n40 MIMO_Channel 9



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.61	38.24	27.16	-23.31	42.08	54.00	11.92	Horizontal
2	2488.41	42.95	27.37	-23.27	47.06	54.00	6.94	Horizontal

802.11ax20 MIMO_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.95	46.59	27.16	-23.31	50.43	54.00	3.57	Vertical

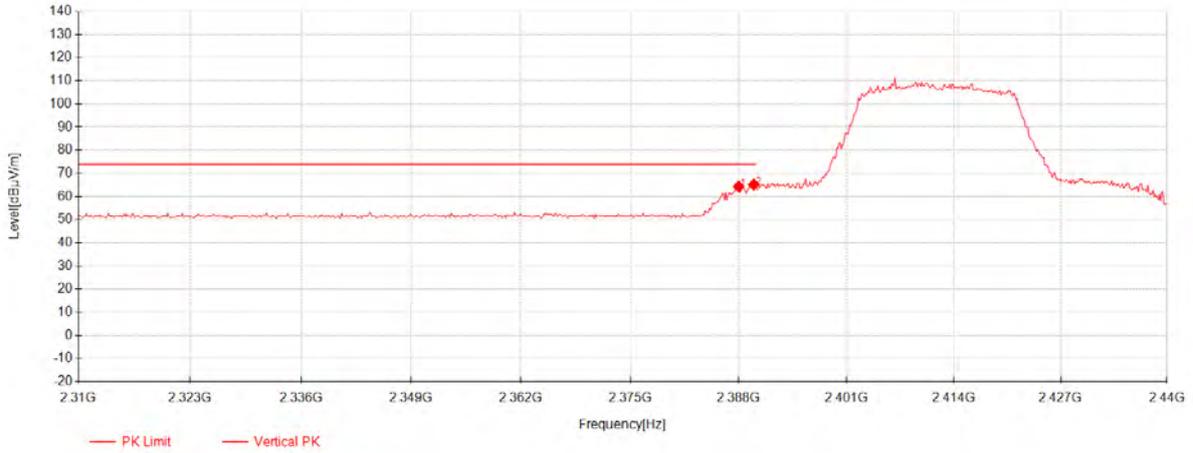
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Report No.: SUCR250600052506

Rev.: 01

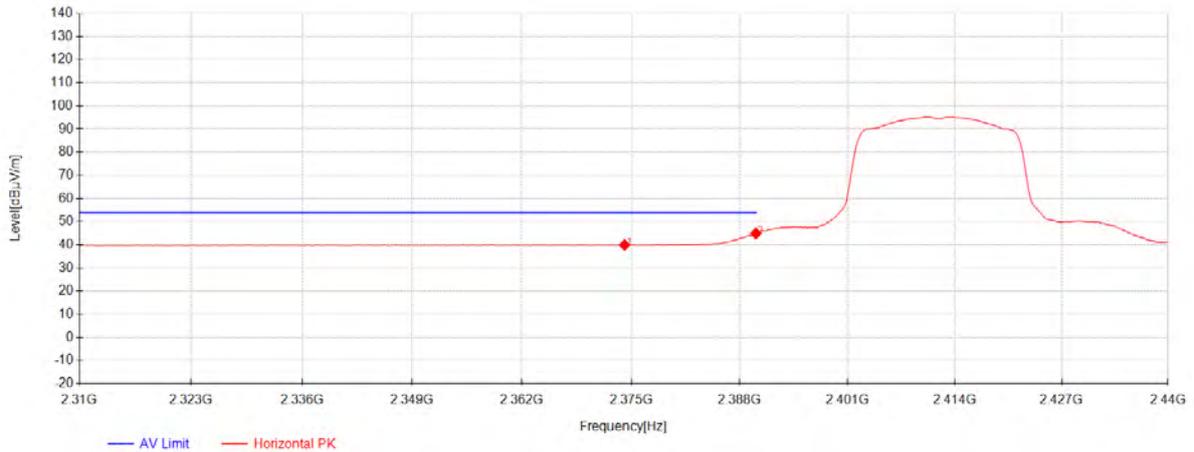
Page: 194 of 224

802.11ax20 MIMO_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388	60.56	27.15	-23.31	64.40	74.00	9.60	Vertical
2	2389.82	61.36	27.16	-23.31	65.20	74.00	8.80	Vertical

802.11ax20 MIMO_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2374.22	36.10	27.12	-23.30	39.92	54.00	14.08	Horizontal
2	2389.95	41.10	27.16	-23.31	44.94	54.00	9.06	Horizontal

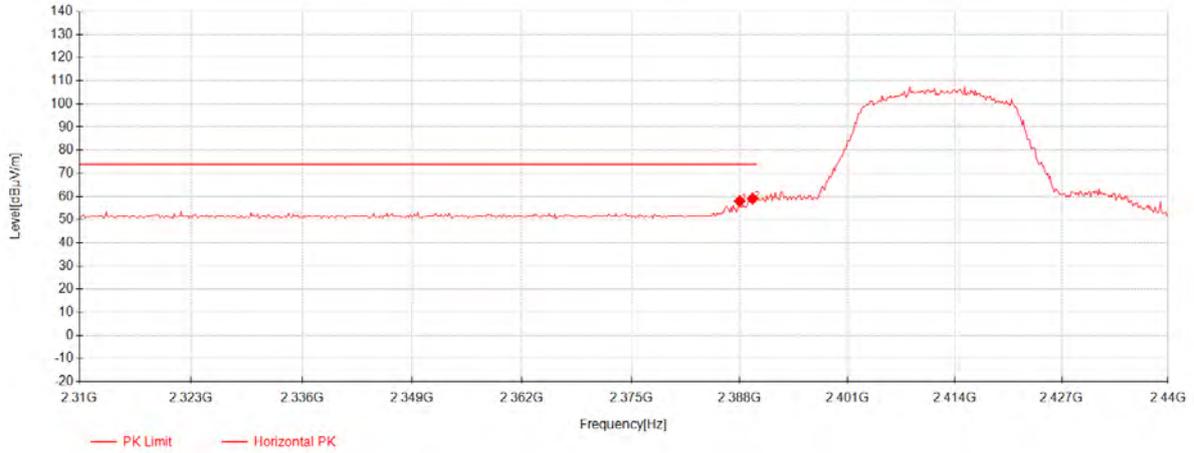
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Report No.: SUCR250600052506

Rev.: 01

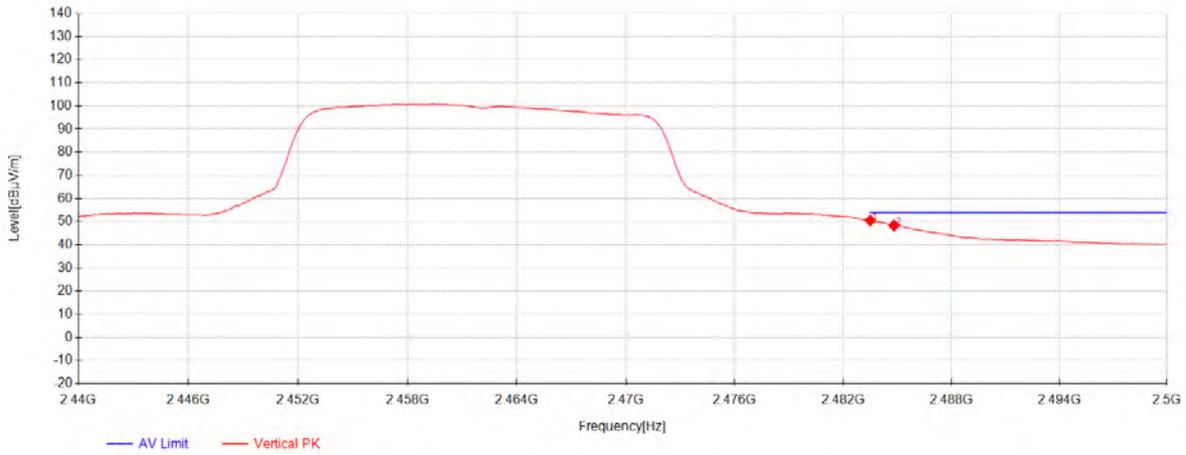
Page: 196 of 224

802.11ax20 MIMO_Channel 01



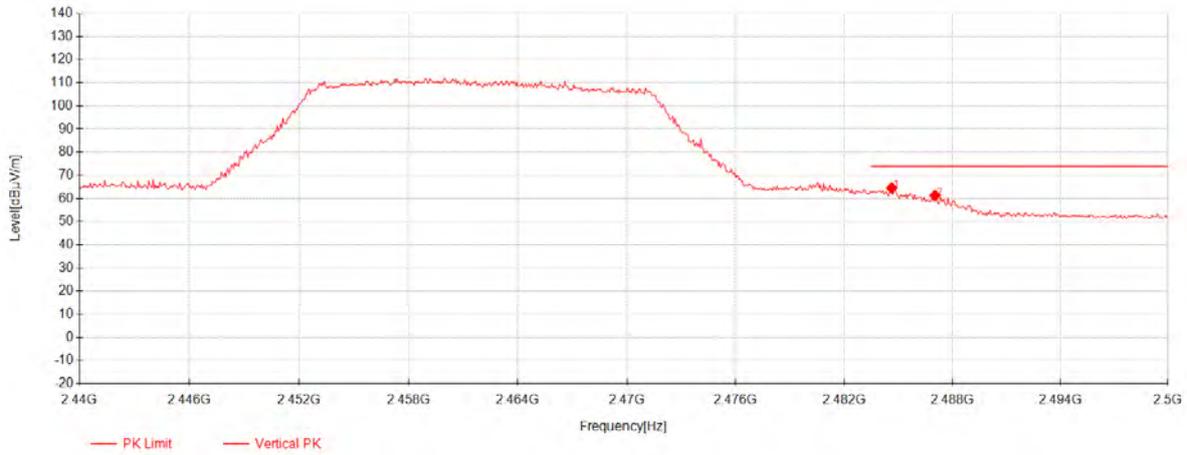
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1	2388	54.15	27.15	-23.31	57.99	74.00	16.01	Horizontal
2	2389.56	55.22	27.16	-23.31	59.06	74.00	14.94	Horizontal

802.11ax20 MIMO_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.5	46.43	27.36	-23.27	50.52	54.00	3.48	Vertical
2	2484.82	44.22	27.37	-23.27	48.32	54.00	5.68	Vertical

802.11ax20 MIMO_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.64	60.46	27.37	-23.27	64.56	74.00	9.44	Vertical
2	2487.04	57.27	27.37	-23.27	61.37	74.00	12.63	Vertical

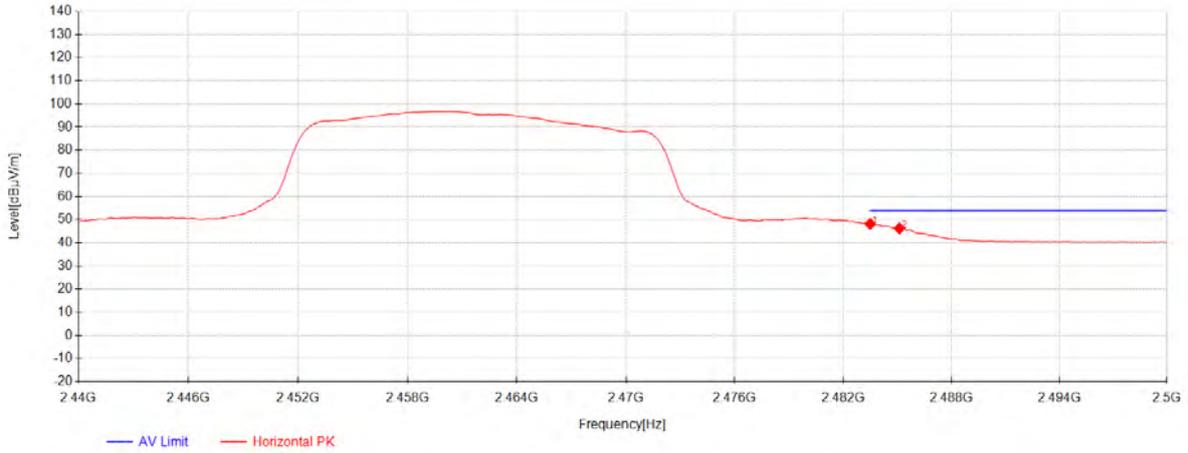
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Report No.: SUCR250600052506

Rev.: 01

Page: 199 of 224

802.11ax20 MIMO_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.5	44.02	27.36	-23.27	48.11	54.00	5.89	Horizontal
2	2485.12	42.12	27.37	-23.27	46.22	54.00	7.78	Horizontal

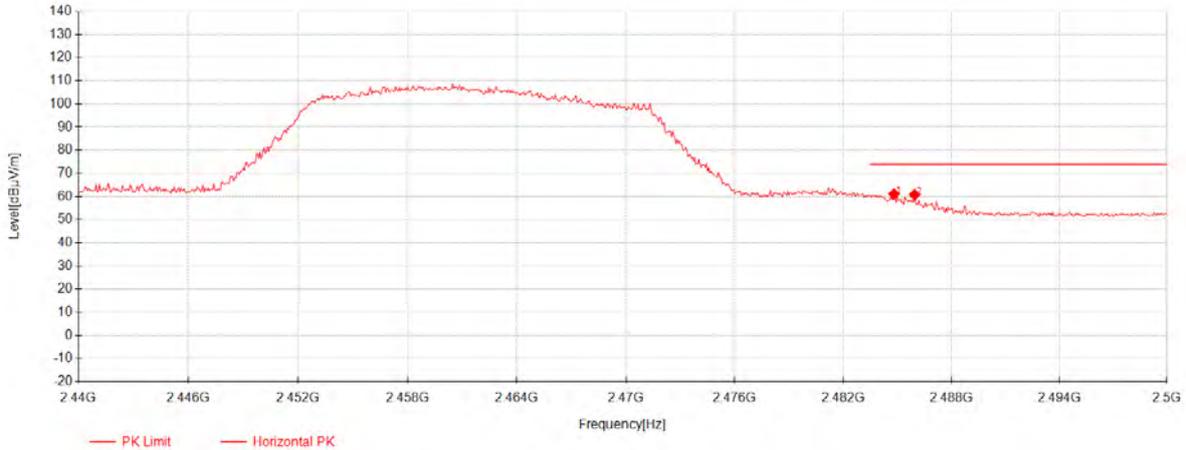
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 200 of 224

802.11ax20 MIMO_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.82	56.99	27.37	-23.27	61.09	74.00	12.91	Horizontal
2	2485.96	56.63	27.37	-23.27	60.73	74.00	13.27	Horizontal

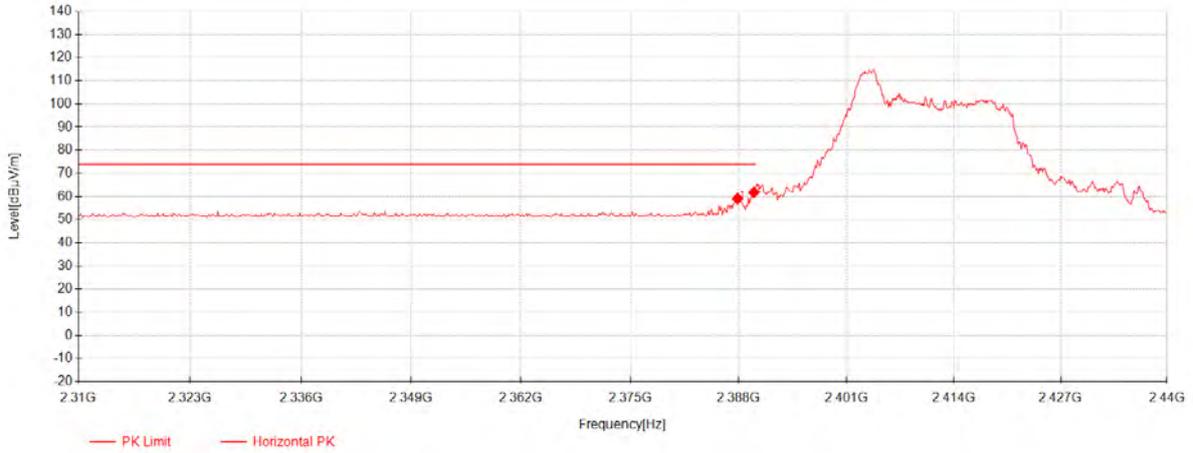
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Report No.: SUCR250600052506

Rev.: 01

Page: 201 of 224

802.11be20 Ru26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.87	55.24	27.15	-23.31	59.08	74.00	14.92	Horizontal
2	2389.82	57.90	27.16	-23.31	61.74	74.00	12.26	Horizontal

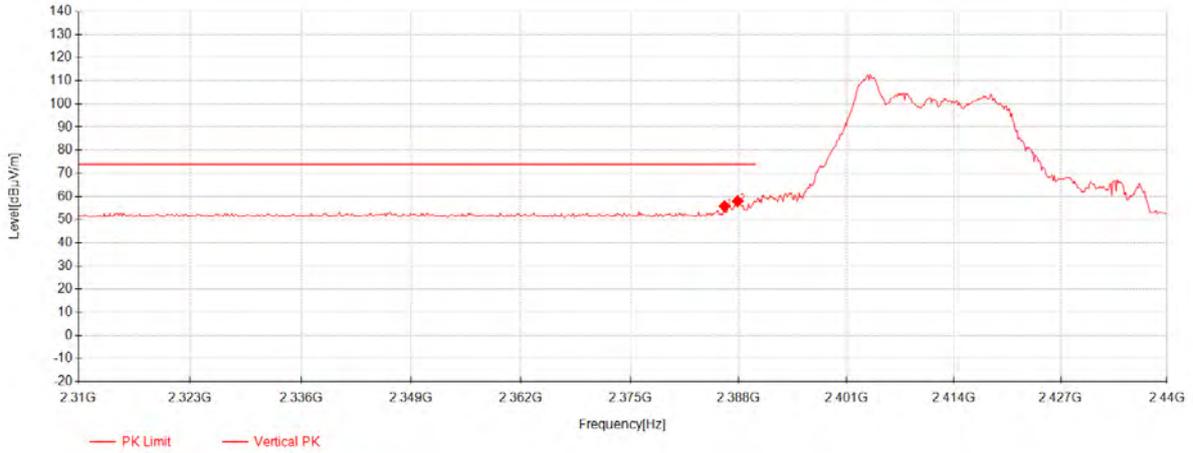
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Report No.: SUCR250600052506

Rev.: 01

Page: 202 of 224

802.11be20 Ru26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386.31	51.98	27.15	-23.31	55.82	74.00	18.18	Vertical
2	2387.87	54.12	27.15	-23.31	57.96	74.00	16.04	Vertical

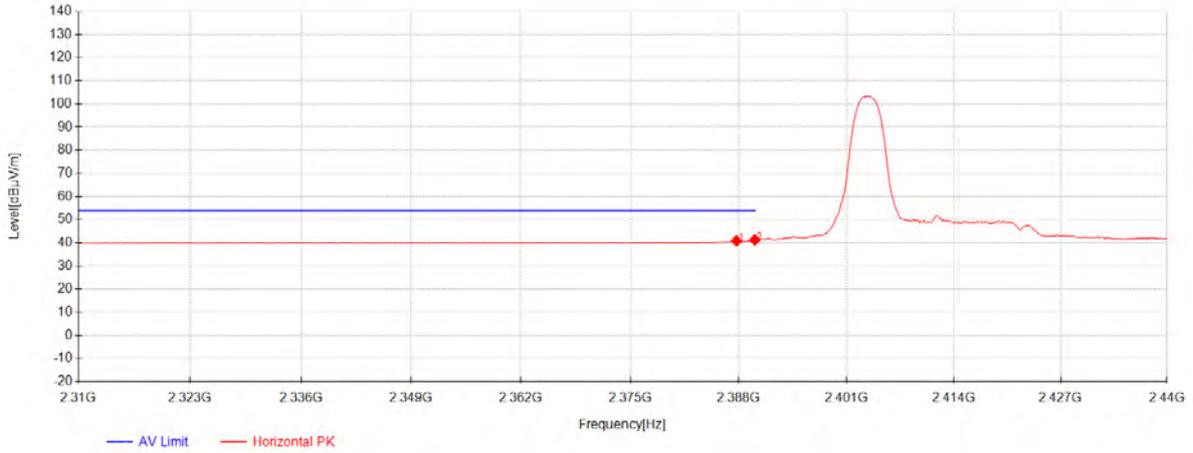
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Report No.: SUCR250600052506

Rev.: 01

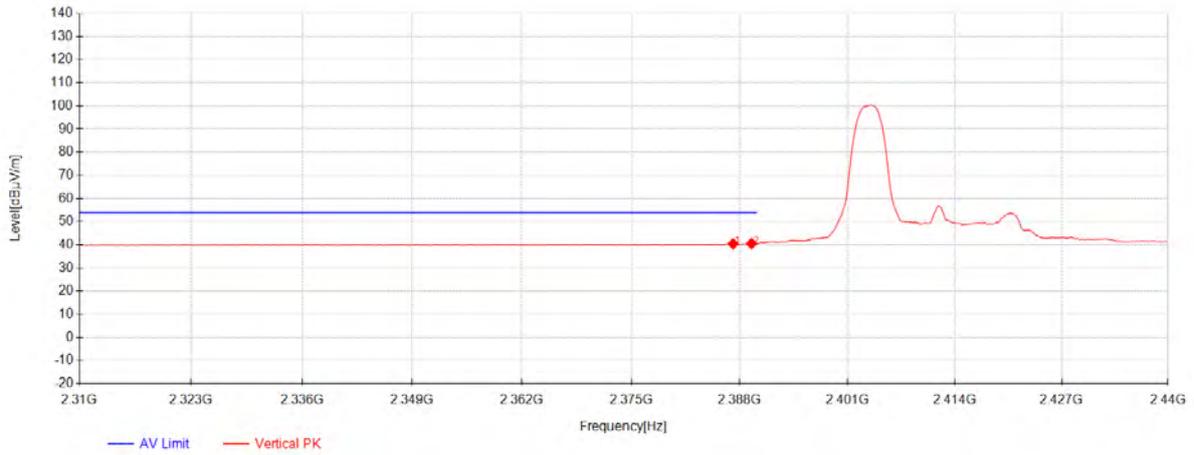
Page: 203 of 224

802.11be20 Ru26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.74	36.99	27.15	-23.31	40.83	54.00	13.17	Horizontal
2	2389.95	37.46	27.16	-23.31	41.30	54.00	12.70	Horizontal

802.11be20 Ru26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.22	36.57	27.15	-23.31	40.41	54.00	13.59	Vertical
2	2389.43	36.71	27.16	-23.31	40.55	54.00	13.45	Vertical

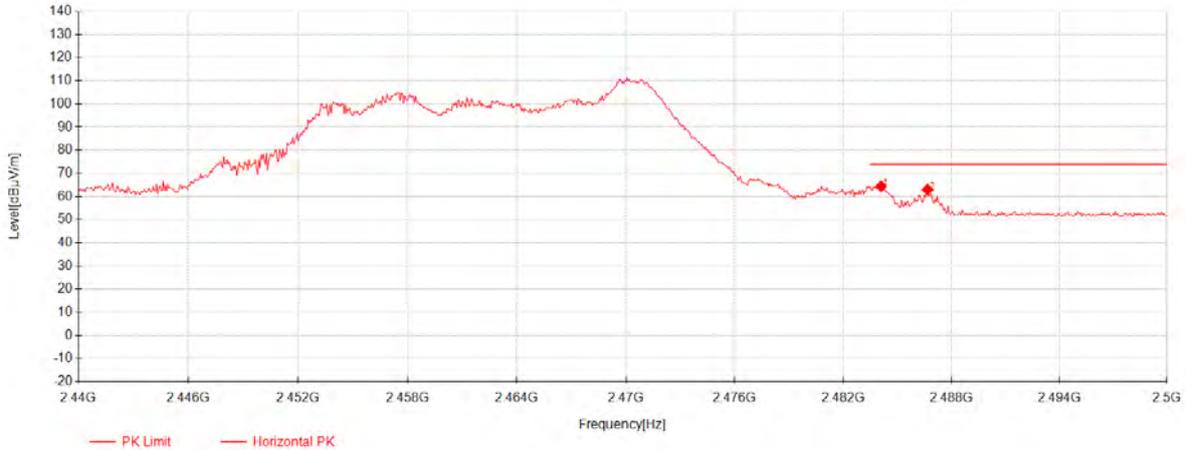
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

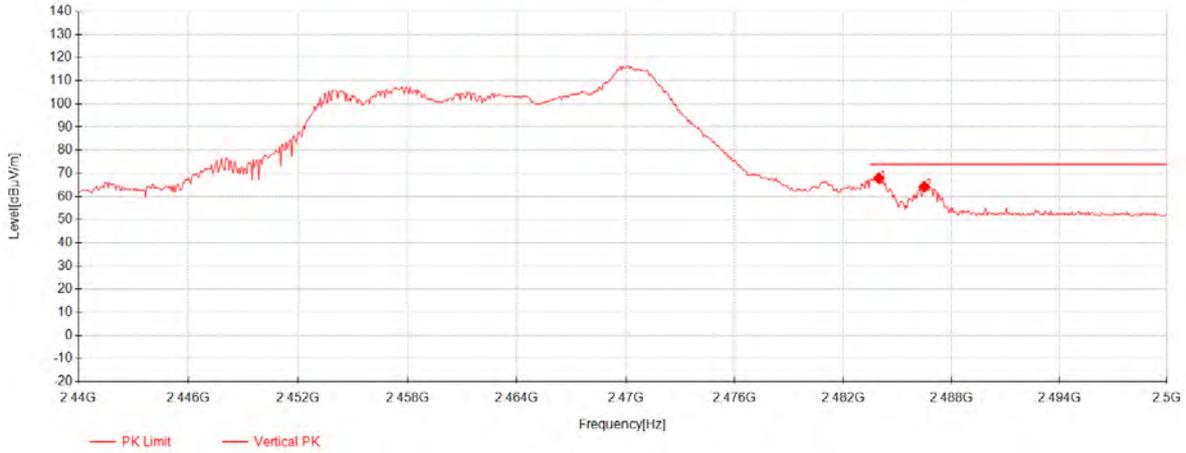
Page: 205 of 224

802.11be20 Ru26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.1	60.37	27.37	-23.27	64.47	74.00	9.53	Horizontal
2	2486.68	58.86	27.37	-23.27	62.96	74.00	11.04	Horizontal

802.11be20 Ru26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.98	63.85	27.36	-23.27	67.95	74.00	6.05	Vertical
2	2486.5	60.19	27.37	-23.27	64.29	74.00	9.71	Vertical

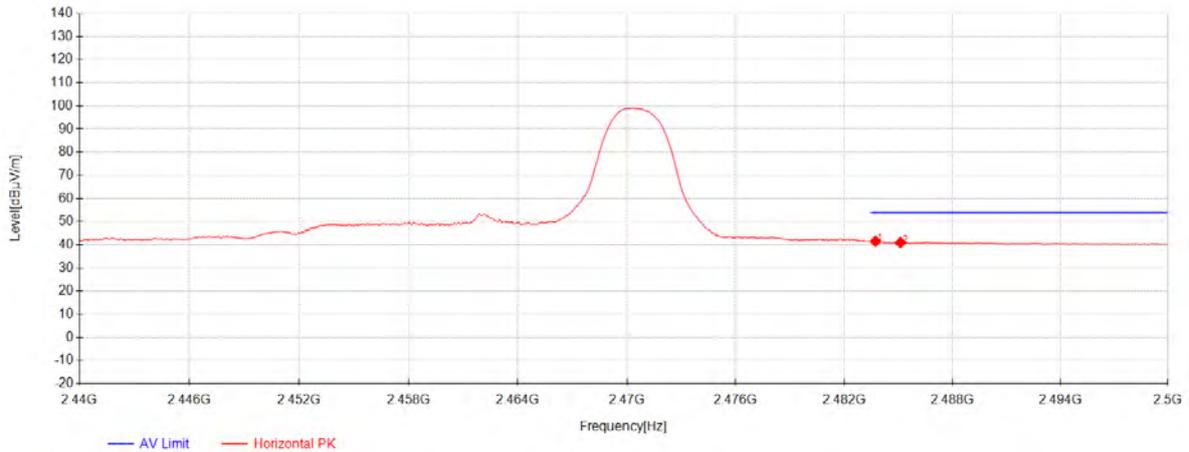
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Report No.: SUCR250600052506

Rev.: 01

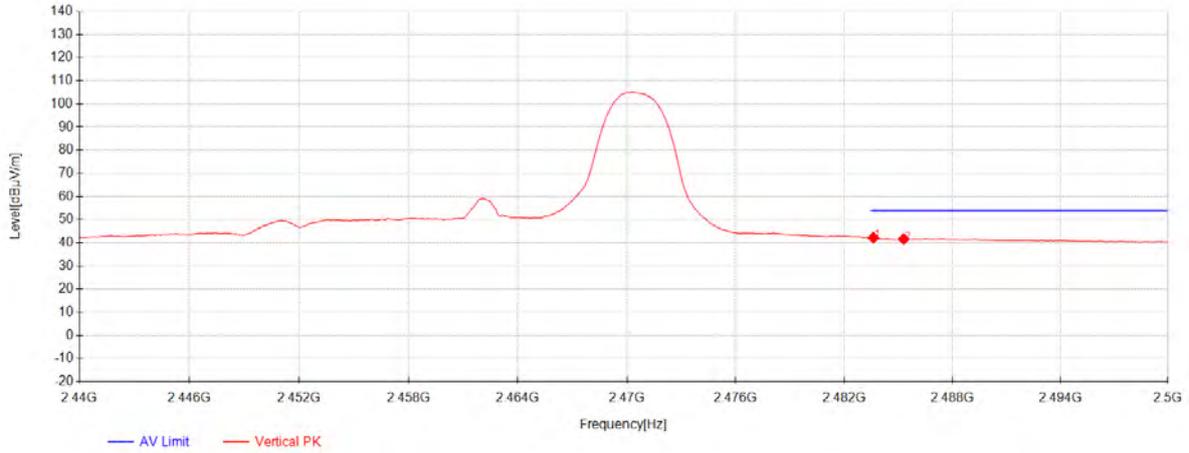
Page: 207 of 224

802.11be20 Ru26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.74	37.46	27.36	-23.27	41.55	54.00	12.45	Horizontal
2	2485.12	36.86	27.37	-23.27	40.96	54.00	13.04	Horizontal

802.11be20 Ru26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.62	38.16	27.36	-23.27	42.25	54.00	11.75	Vertical
2	2485.3	37.56	27.37	-23.27	41.66	54.00	12.34	Vertical

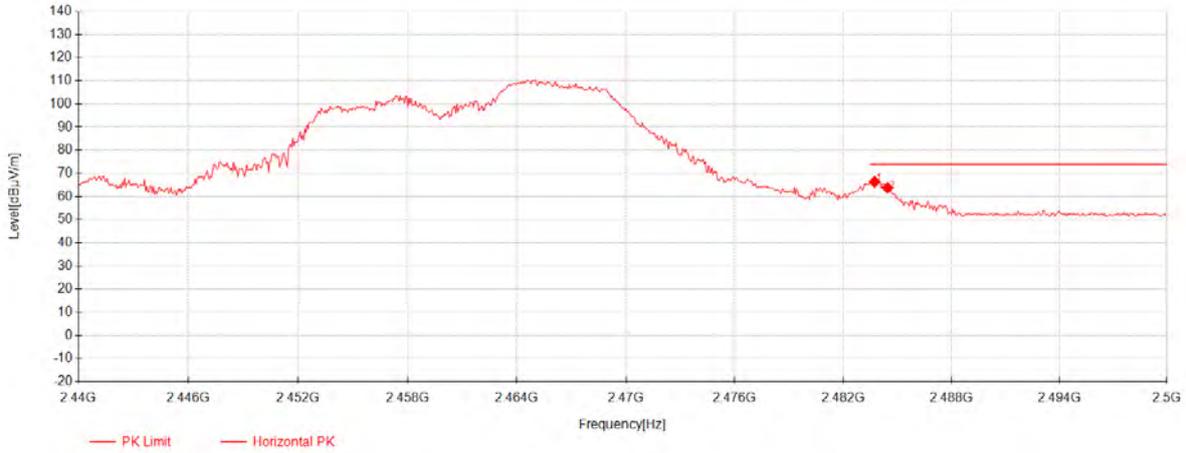
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 209 of 224

802.11be20 Samll Ru52+26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.74	62.26	27.36	-23.27	66.35	74.00	7.65	Horizontal
2	2484.46	59.66	27.37	-23.27	63.76	74.00	10.24	Horizontal

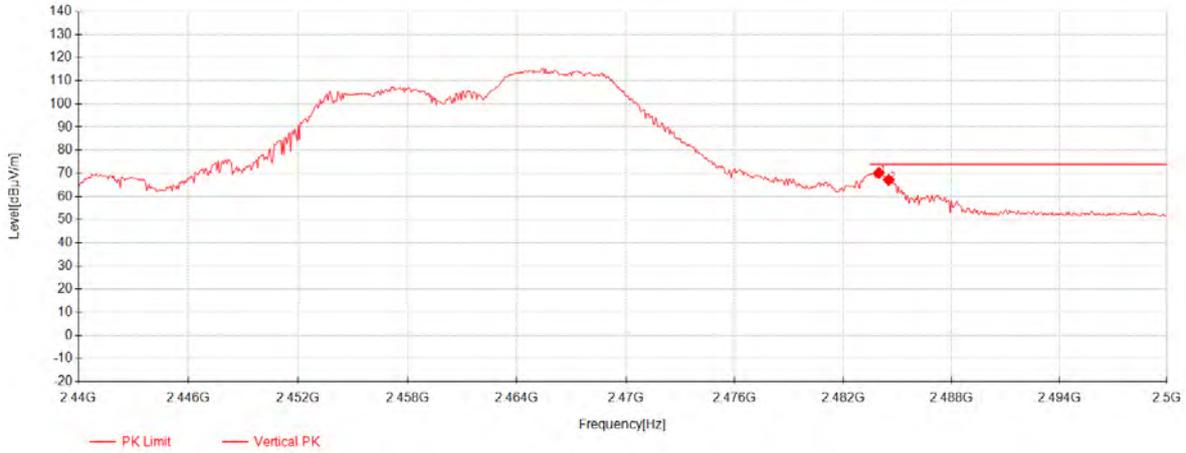
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 210 of 224

802.11be20 Samll Ru52+26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.98	66.07	27.36	-23.27	70.17	74.00	3.83	Vertical
2	2484.52	63.06	27.37	-23.27	67.16	74.00	6.84	Vertical

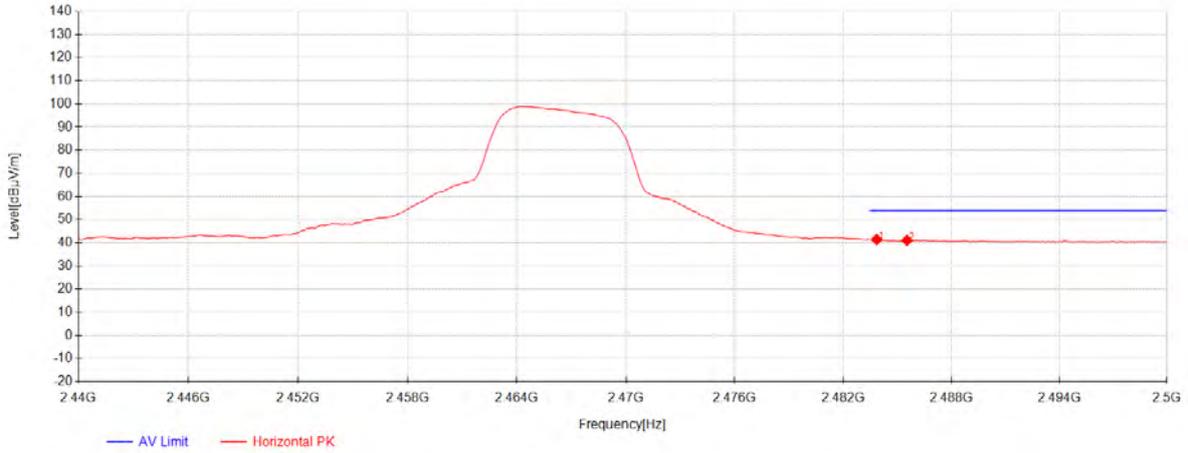
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

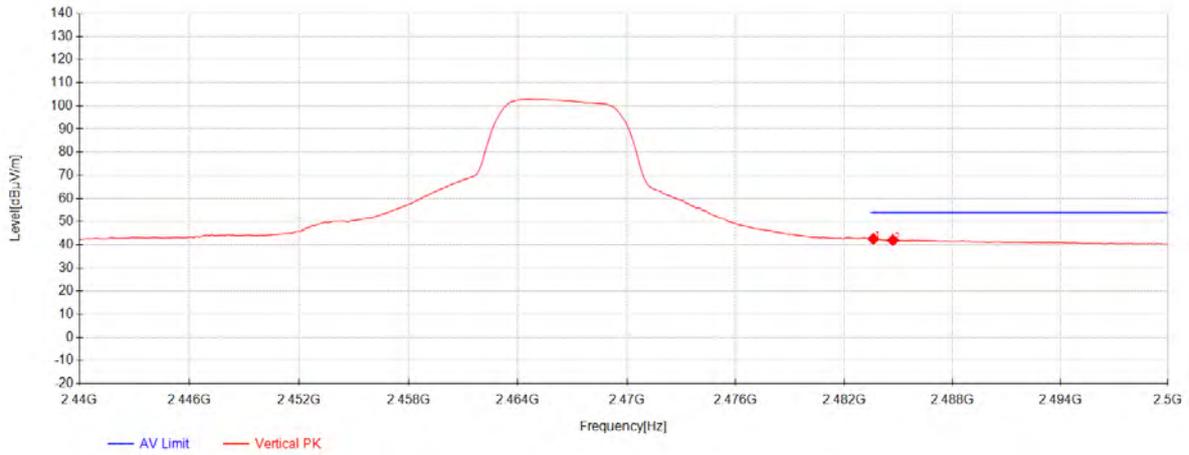
Page: 211 of 224

802.11be20 Samll Ru52+26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.86	37.37	27.36	-23.27	41.46	54.00	12.54	Horizontal
2	2485.54	36.96	27.37	-23.27	41.06	54.00	12.94	Horizontal

802.11be20 Samll Ru52+26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.62	38.52	27.36	-23.27	42.61	54.00	11.39	Vertical
2	2484.7	37.90	27.37	-23.27	42.00	54.00	12.00	Vertical

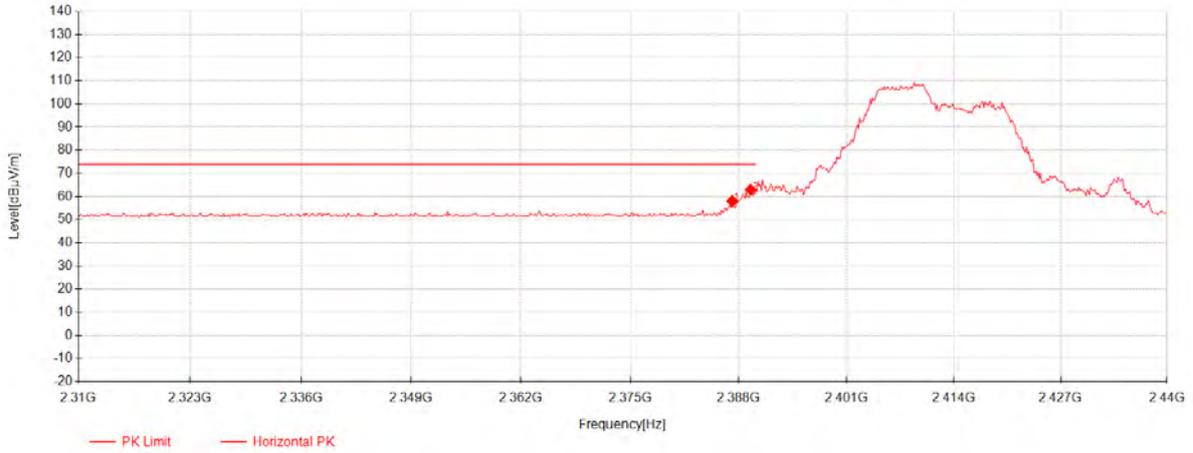
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 213 of 224

802.11be20 Samll Ru52+26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.22	54.21	27.15	-23.31	58.05	74.00	15.95	Horizontal
2	2389.43	59.15	27.16	-23.31	62.99	74.00	11.01	Horizontal

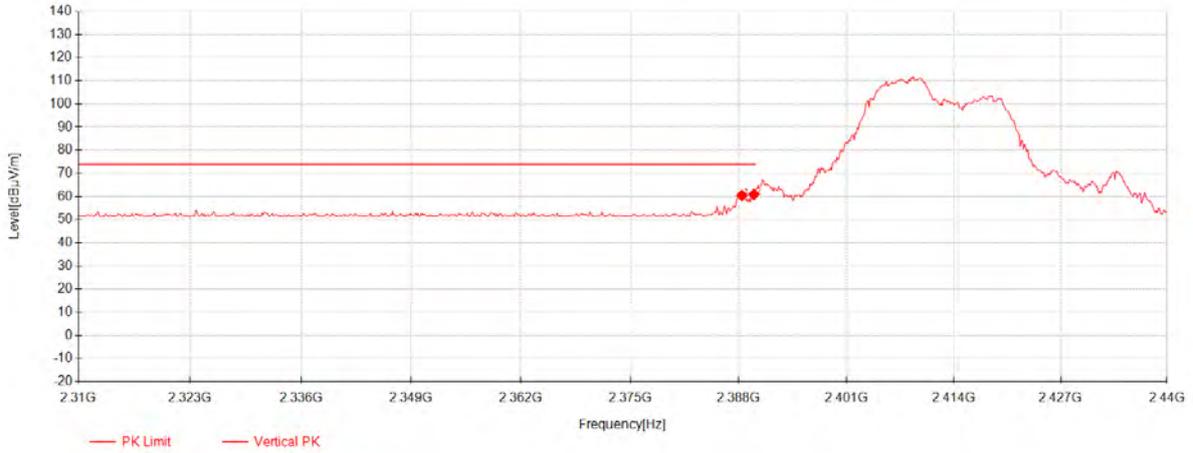
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 214 of 224

802.11be20 Samll Ru52+26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.39	56.60	27.15	-23.31	60.44	74.00	13.56	Vertical
2	2389.82	57.02	27.16	-23.31	60.86	74.00	13.14	Vertical

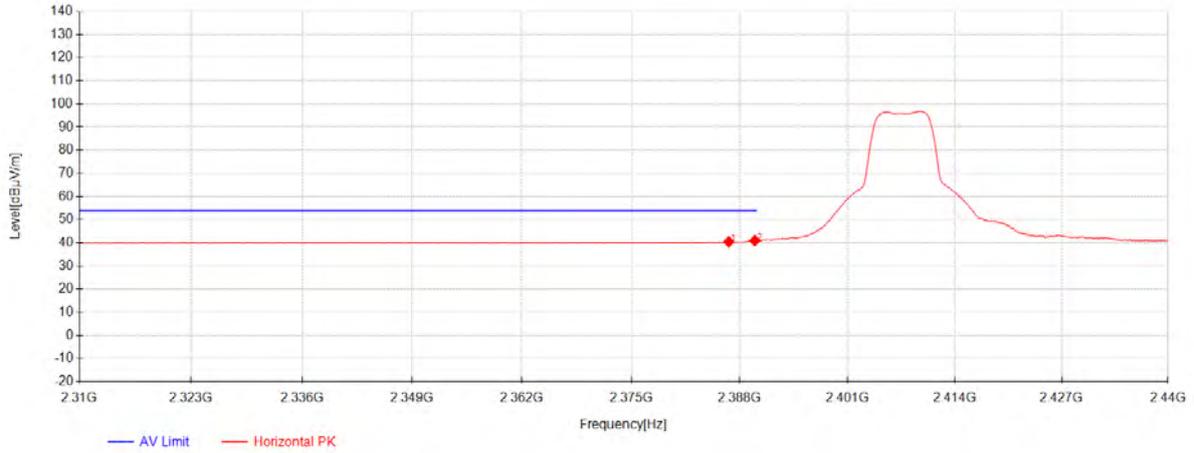
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 215 of 224

802.11be20 Samll Ru52+26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386.7	36.61	27.15	-23.31	40.45	54.00	13.55	Horizontal
2	2389.82	37.10	27.16	-23.31	40.94	54.00	13.06	Horizontal

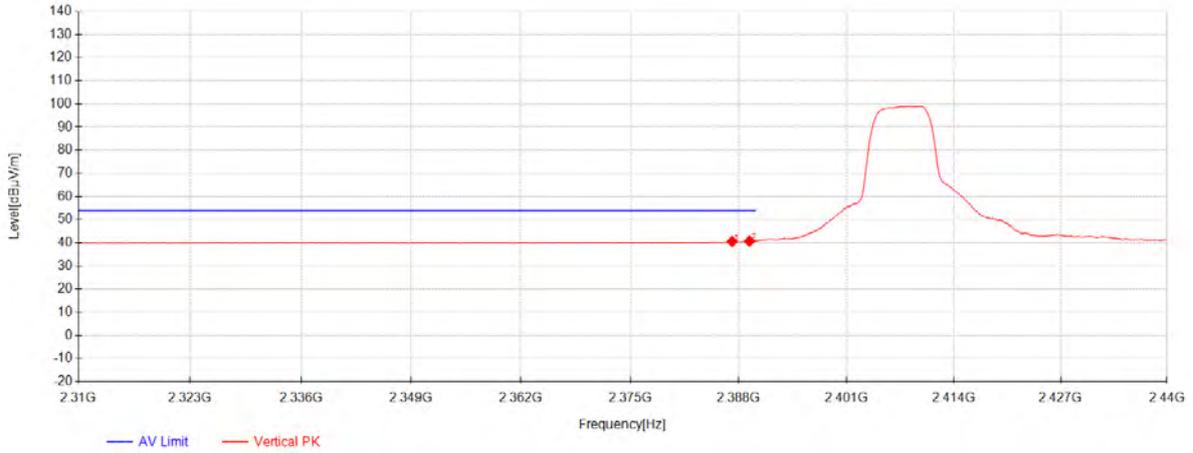
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 216 of 224

802.11be20 Samll Ru52+26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.22	36.70	27.15	-23.31	40.54	54.00	13.46	Vertical
2	2389.3	36.86	27.16	-23.31	40.70	54.00	13.30	Vertical

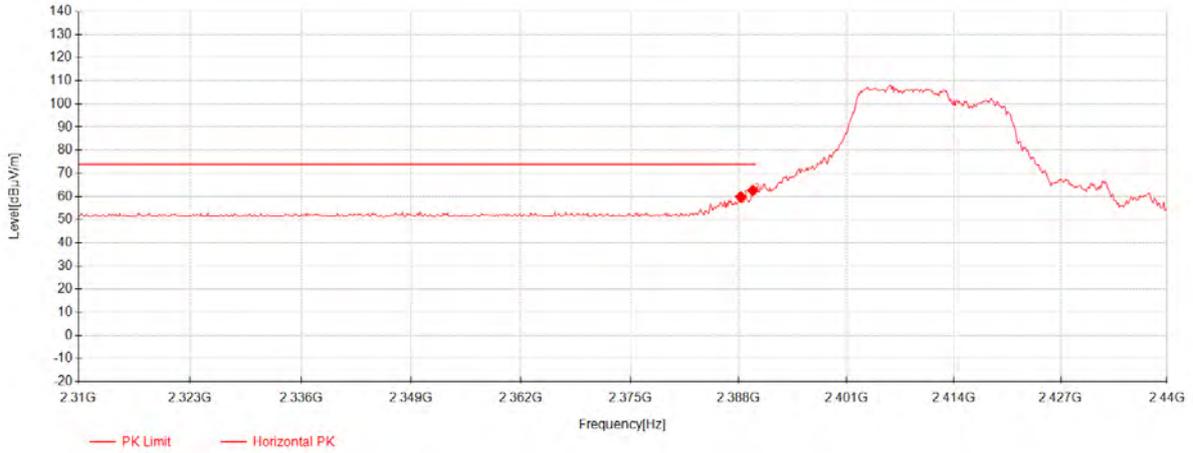
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 217 of 224

802.11be20 Samll Ru106+26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.26	55.95	27.15	-23.31	59.79	74.00	14.21	Horizontal
2	2389.69	58.76	27.16	-23.31	62.60	74.00	11.40	Horizontal

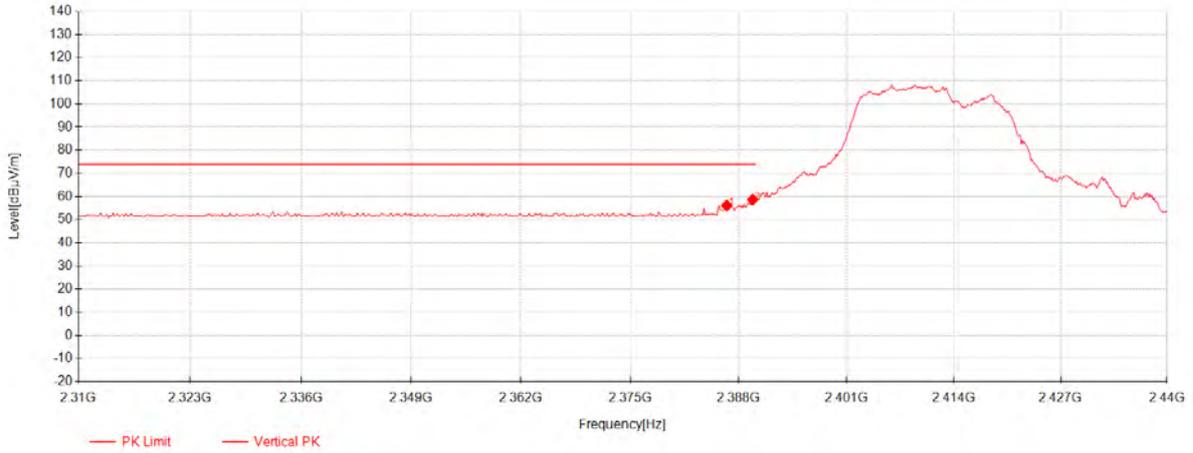
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 218 of 224

802.11be20 Samll Ru106+26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386.57	52.29	27.15	-23.31	56.13	74.00	17.87	Vertical
2	2389.69	54.81	27.16	-23.31	58.65	74.00	15.35	Vertical

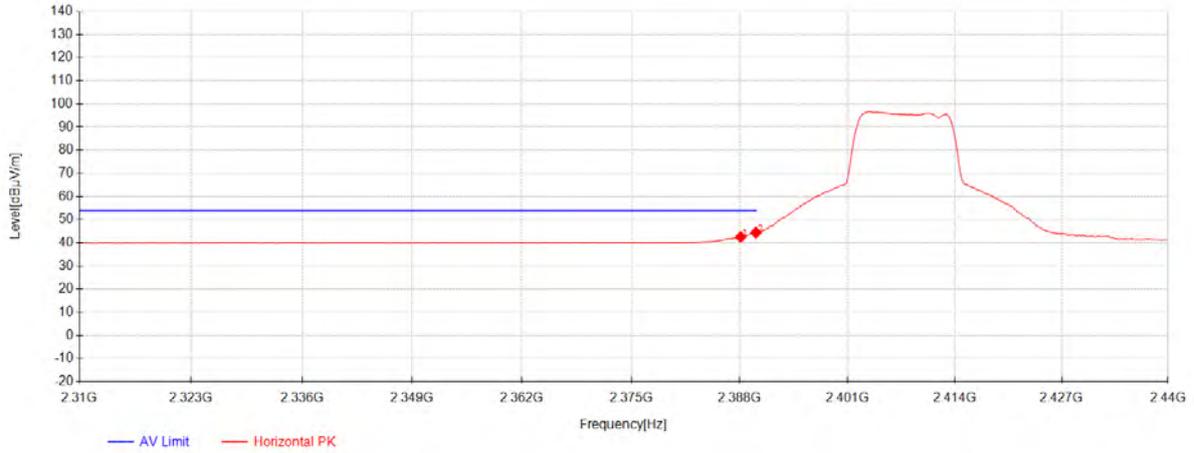
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

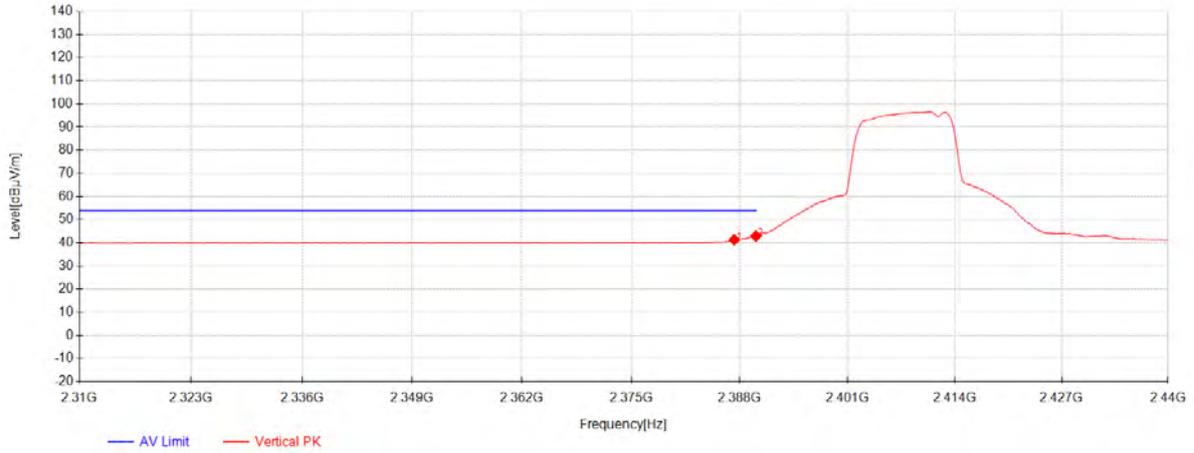
Page: 219 of 224

802.11be20 Samll Ru106+26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.13	38.75	27.15	-23.31	42.59	54.00	11.41	Horizontal
2	2389.95	40.56	27.16	-23.31	44.40	54.00	9.60	Horizontal

802.11be20 Samll Ru106+26_Channel 01



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.35	37.51	27.15	-23.31	41.35	54.00	12.65	Vertical
2	2389.95	39.11	27.16	-23.31	42.95	54.00	11.05	Vertical

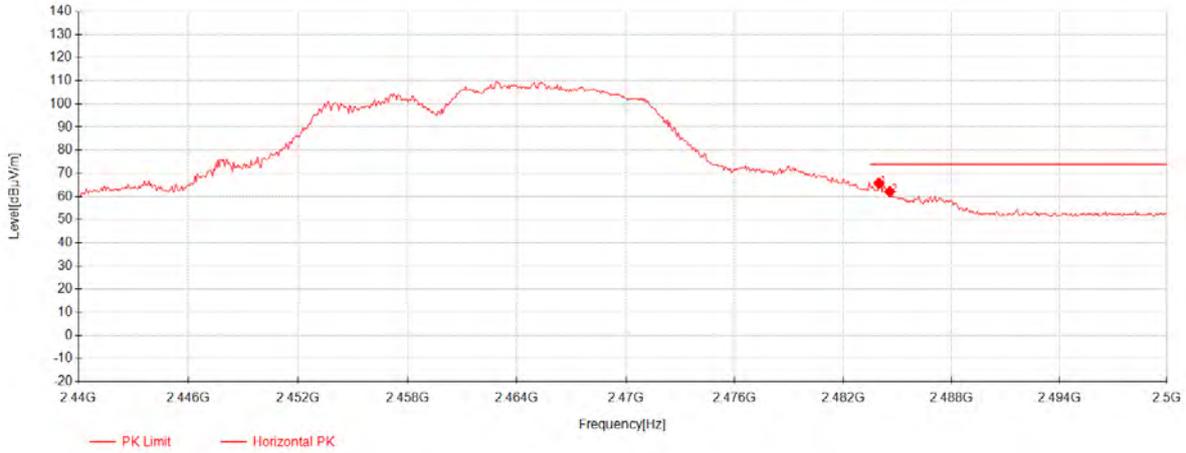
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 221 of 224

802.11be20 Samll Ru106+26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.98	61.64	27.36	-23.27	65.74	74.00	8.26	Horizontal
2	2484.58	57.99	27.37	-23.27	62.09	74.00	11.91	Horizontal

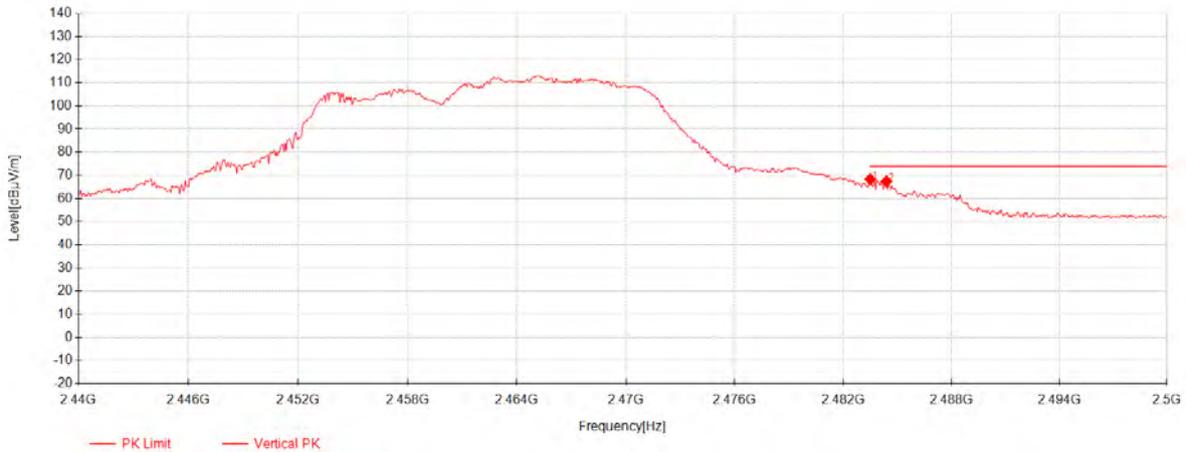
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

Page: 222 of 224

802.11be20 Samll Ru106+26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.5	64.26	27.36	-23.27	68.35	74.00	5.65	Vertical
2	2484.4	63.30	27.37	-23.27	67.40	74.00	6.60	Vertical

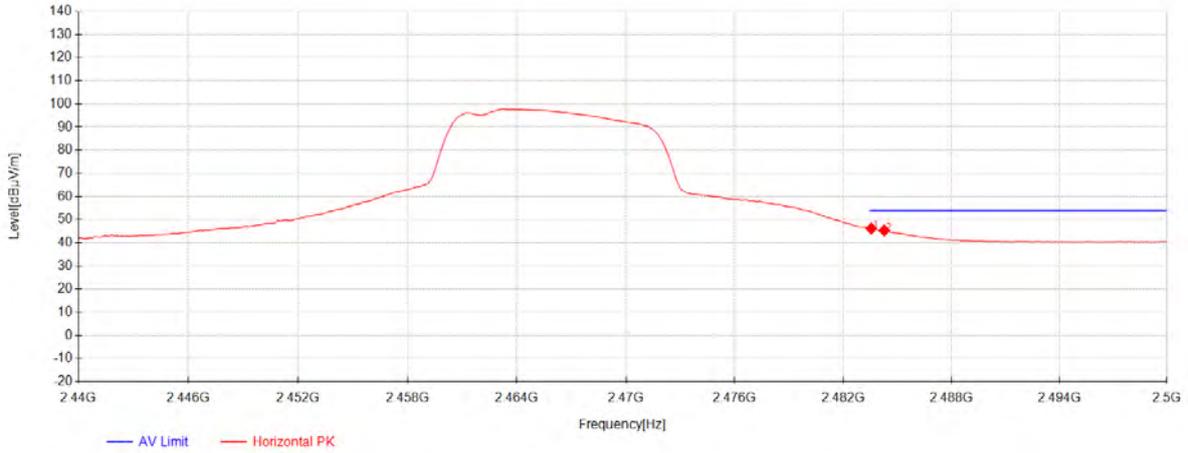
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250600052506

Rev.: 01

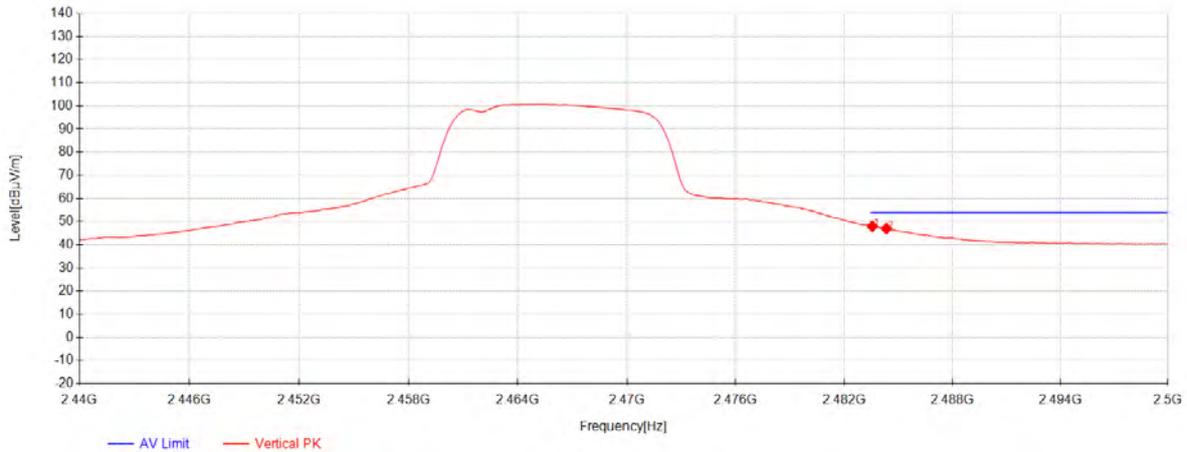
Page: 223 of 224

802.11be20 Samll Ru106+26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.56	42.09	27.36	-23.27	46.18	54.00	7.82	Horizontal
2	2484.28	41.22	27.37	-23.27	45.32	54.00	8.68	Horizontal

802.11be20 Samll Ru106+26_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2483.56	43.86	27.36	-23.27	47.95	54.00	6.05	Vertical
2	2484.34	42.90	27.37	-23.27	47.00	54.00	7.00	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:

Level = Reading(dBµV) + AF(dB/m) + Factor(dB):

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit(dBµV/m) – Level(dBµV/m)

2) Both peak and average measured complies with the limit line, so test result is "PASS"

---End of Report---