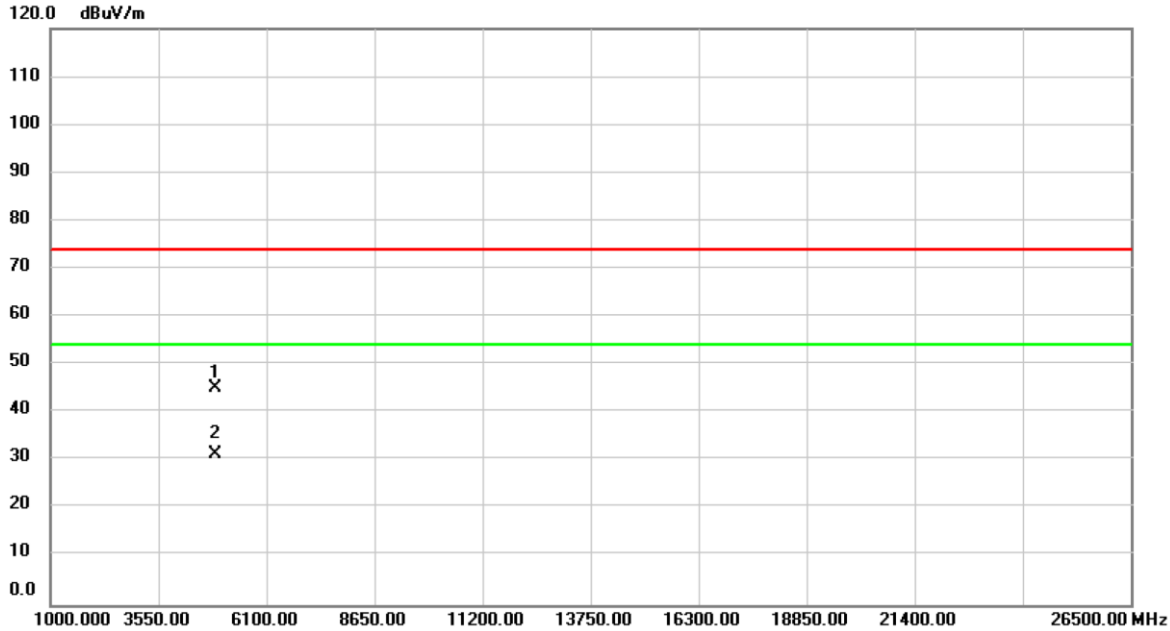
Test Mode	IEEE 802.11ax (HEW40)_External Antenna	Test Date	2019/12/11
Test Frequency	CH11: 2452 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	55.50	-10.32	45.18	74.00	-28.82	peak	
2	*	4904.000	41.74	-10.32	31.42	54.00	-22.58	AVG	

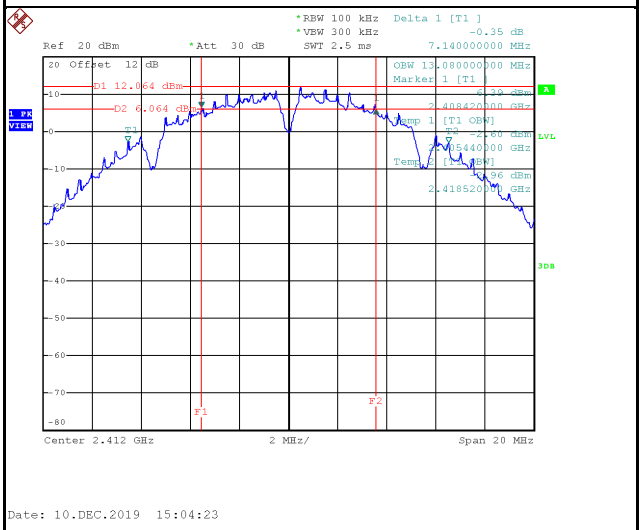
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D BANDWIDTH

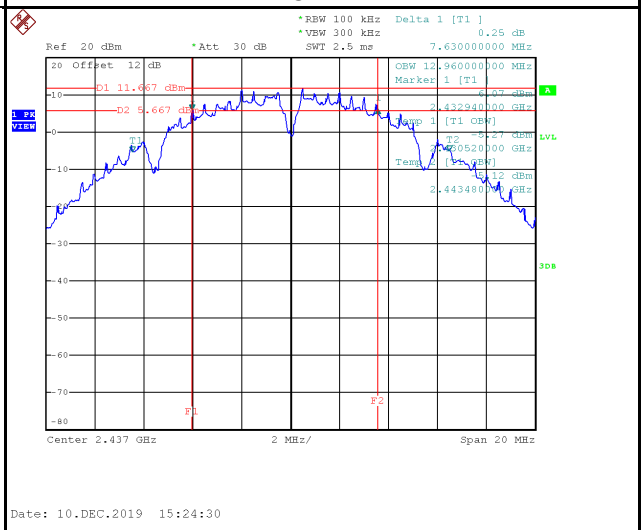
Test Mode	IEEE 802.11b_ANT 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	7.14	13.08	500	Pass
2437	7.63	12.96	500	Pass
2462	7.09	12.92	500	Pass

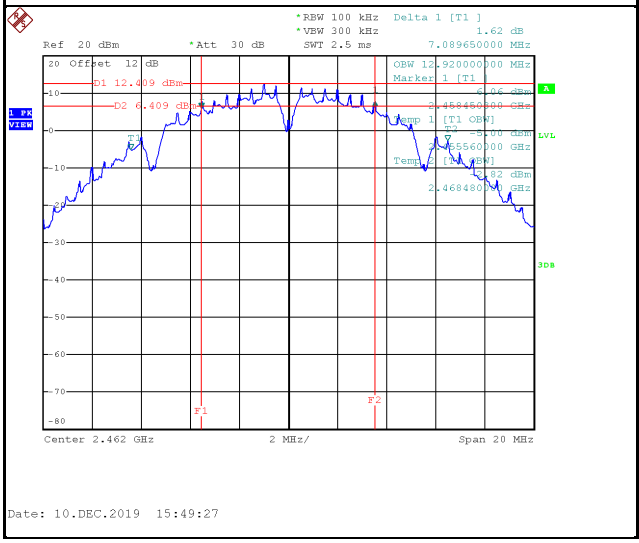
2412 MHz



2437 MHz



2462 MHz



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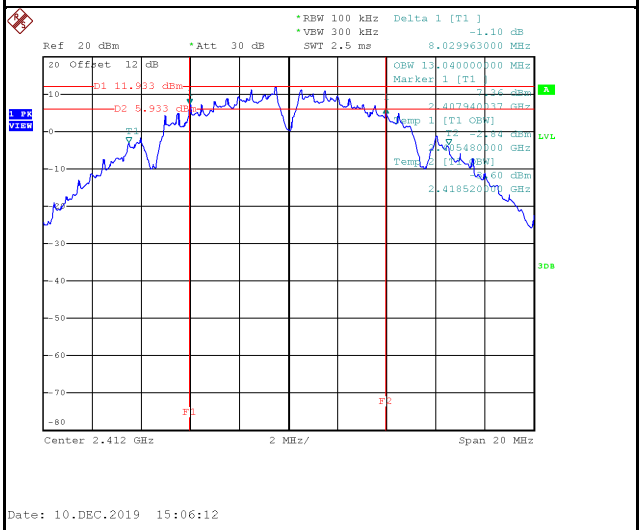
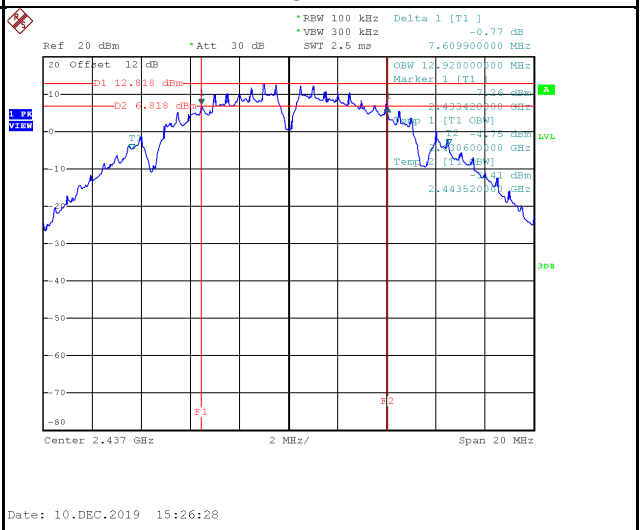
Test Mode	IEEE 802.11b_ANT 2

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	8.03	13.04	500	Pass
2437	7.61	12.92	500	Pass
2462	7.15	12.92	500	Pass

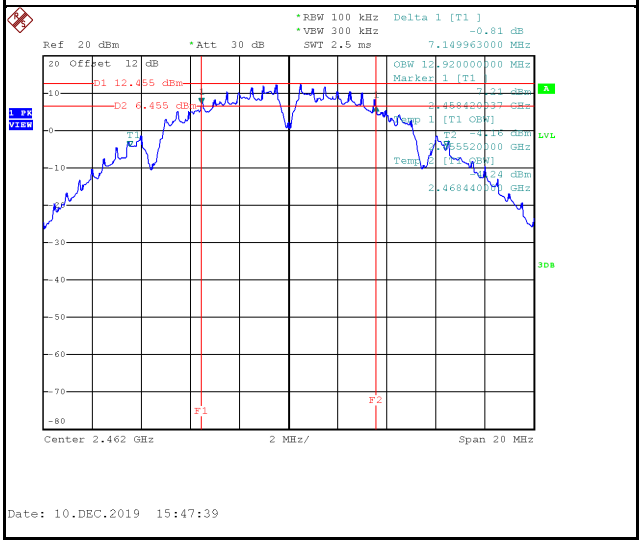
2412 MHz



2437 MHz



2462 MHz



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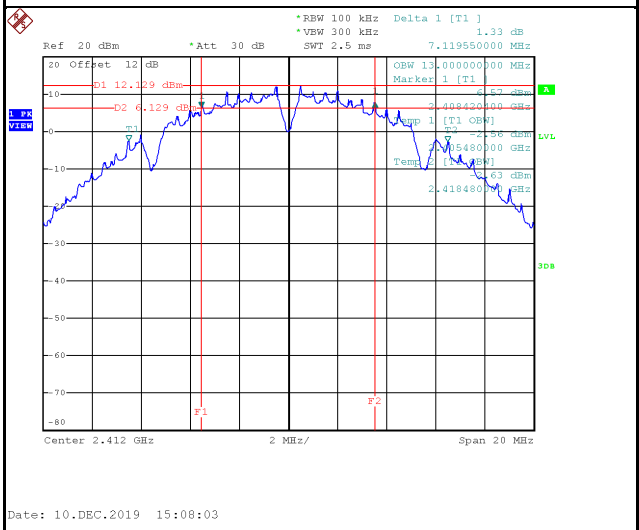
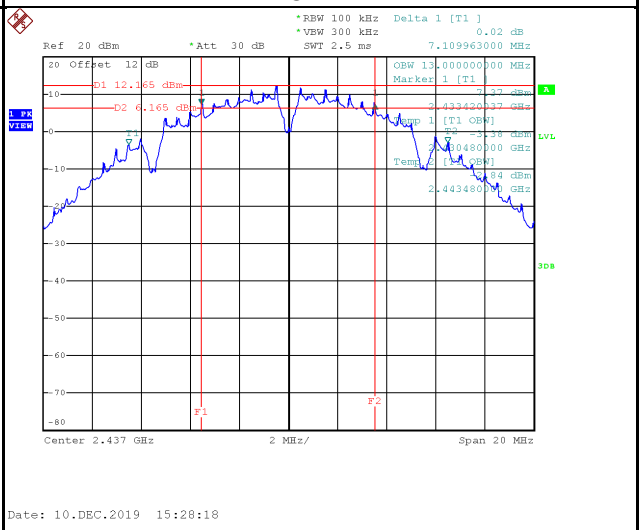
Test Mode	IEEE 802.11b_ANT 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	7.12	13.00	500	Pass
2437	7.11	13.00	500	Pass
2462	7.59	12.84	500	Pass

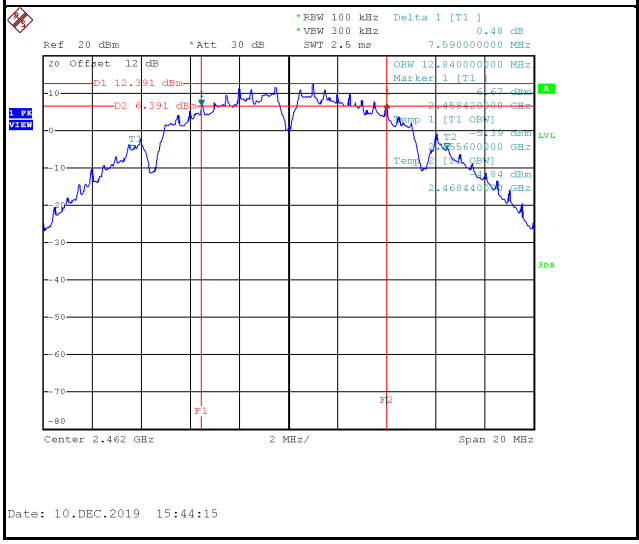
2412 MHz



2437 MHz



2462 MHz



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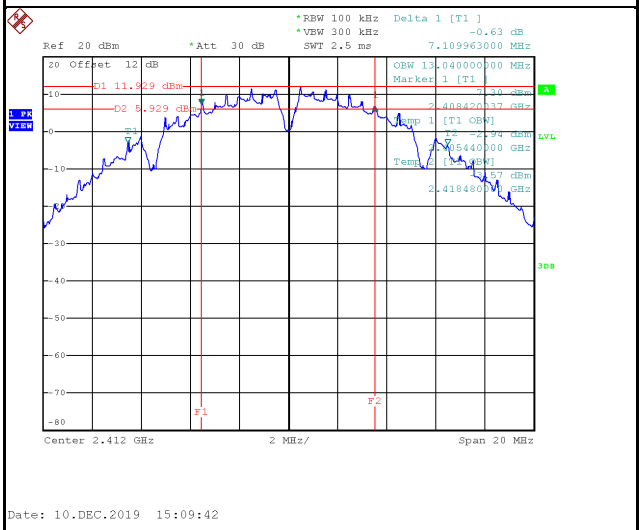
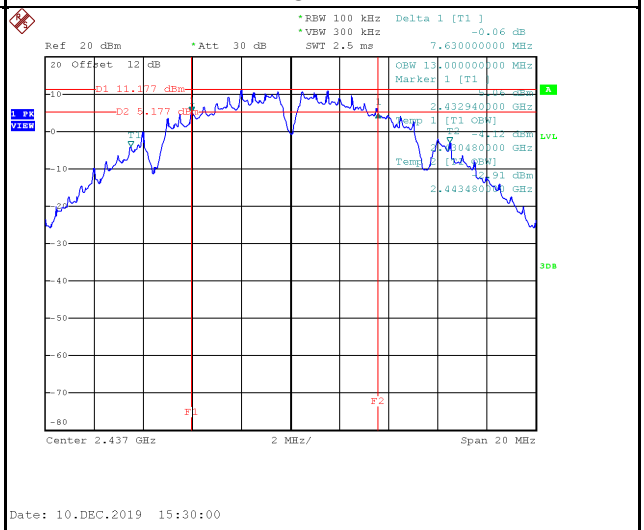
Test Mode	IEEE 802.11b_ANT 4

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	7.11	13.04	500	Pass
2437	7.63	13.00	500	Pass
2462	7.61	12.92	500	Pass

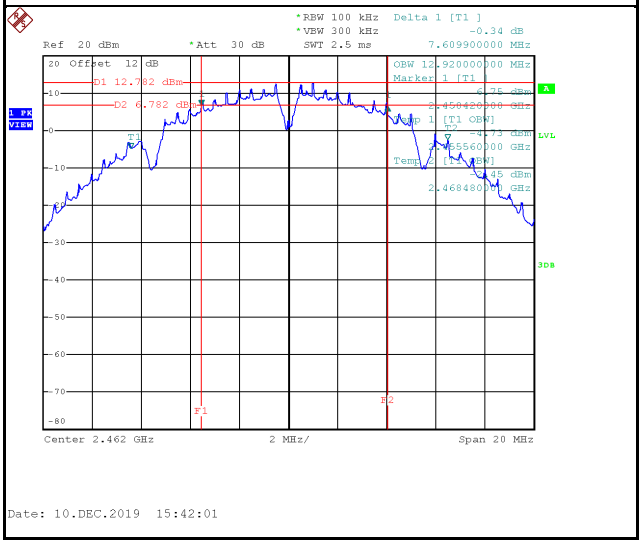
2412 MHz



2437 MHz



2462 MHz



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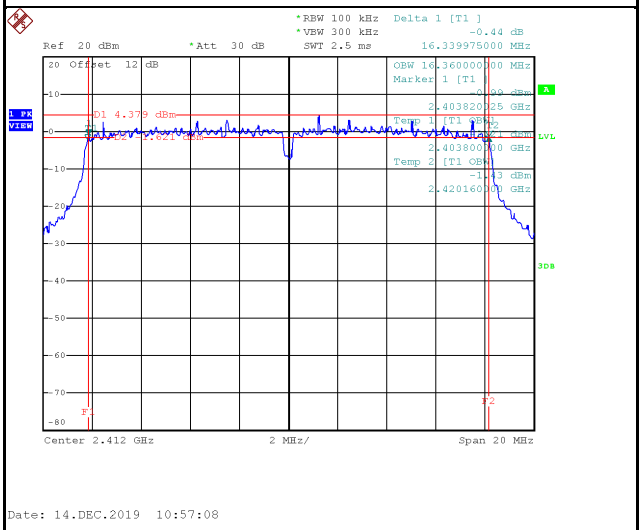
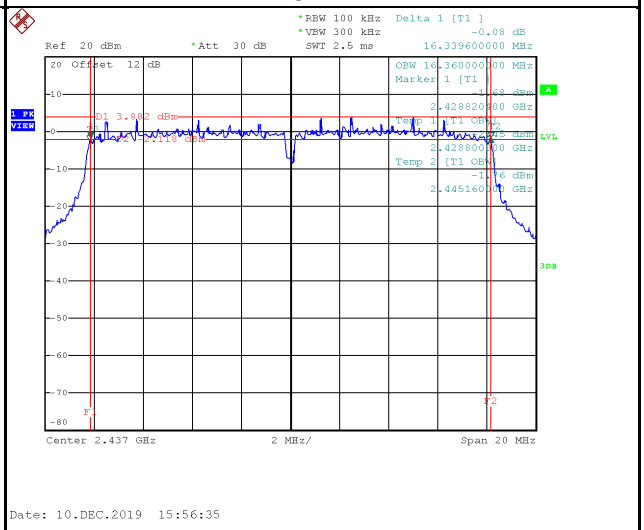
Test Mode	IEEE 802.11g_ANT 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.34	16.36	500	Pass
2437	16.34	13.36	500	Pass
2462	16.35	16.36	500	Pass

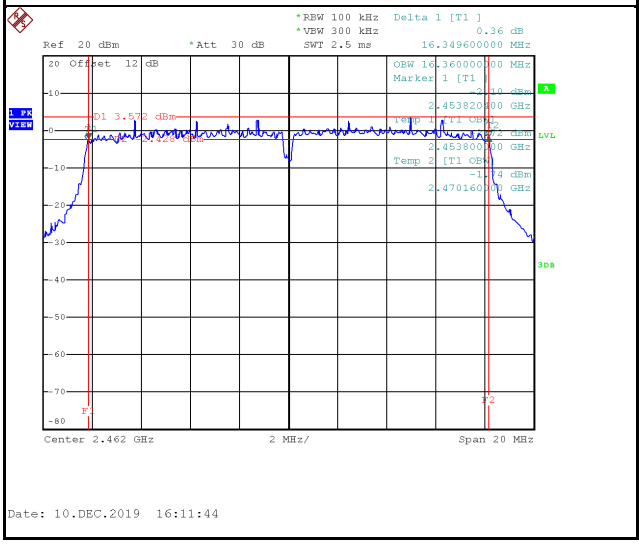
2412 MHz



2437 MHz



2462 MHz



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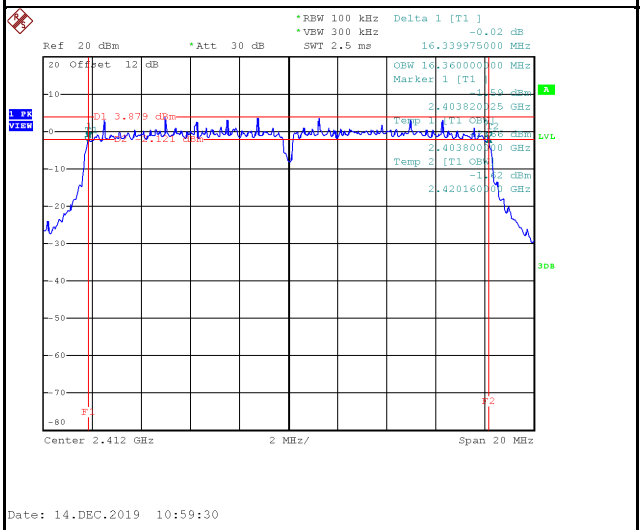
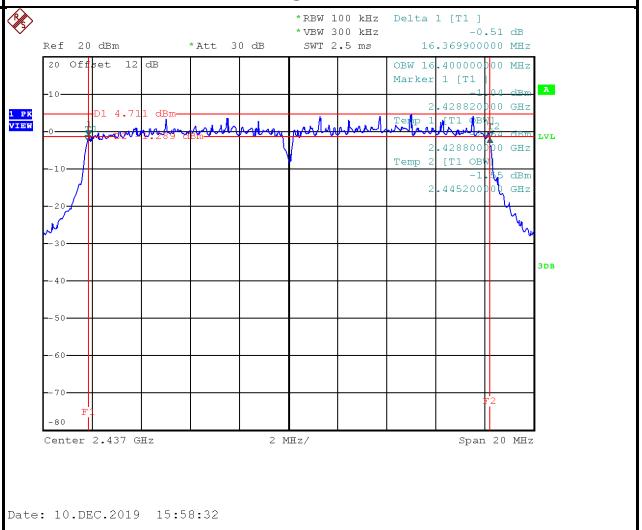
Test Mode	IEEE 802.11g_ANT 2

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.34	16.36	500	Pass
2437	16.37	16.40	500	Pass
2462	16.42	16.36	500	Pass

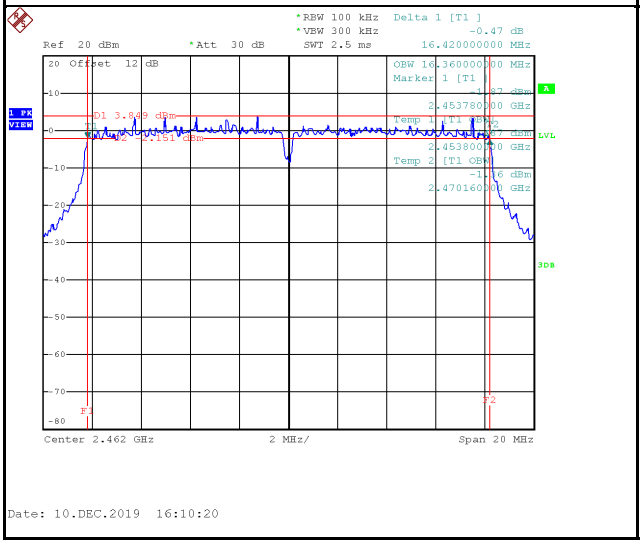
2412 MHz



2437 MHz



2462 MHz



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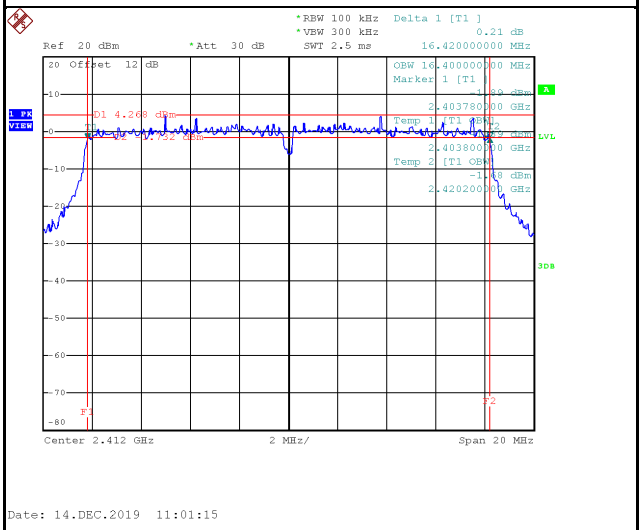
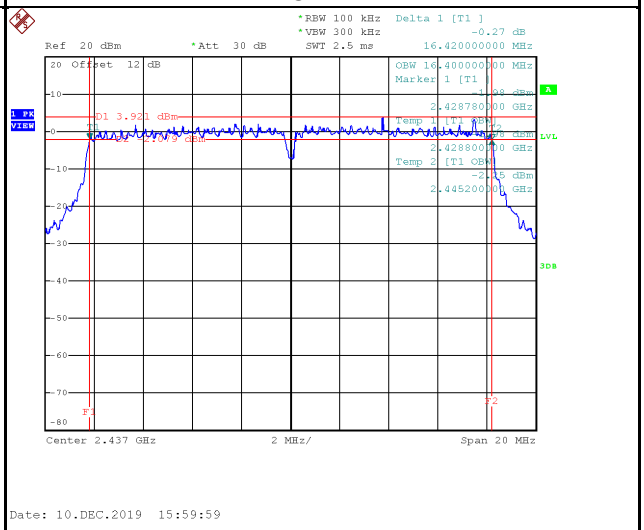
Test Mode	IEEE 802.11g_ANT 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.42	16.40	500	Pass
2437	16.42	16.40	500	Pass
2462	16.42	16.40	500	Pass

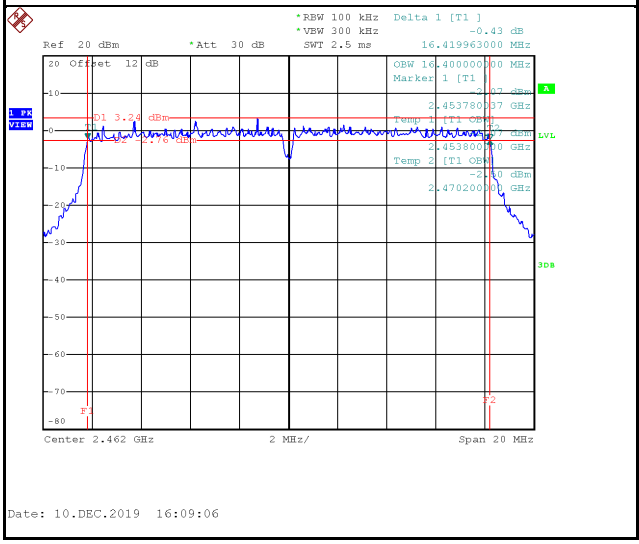
2412 MHz



2437 MHz



2462 MHz



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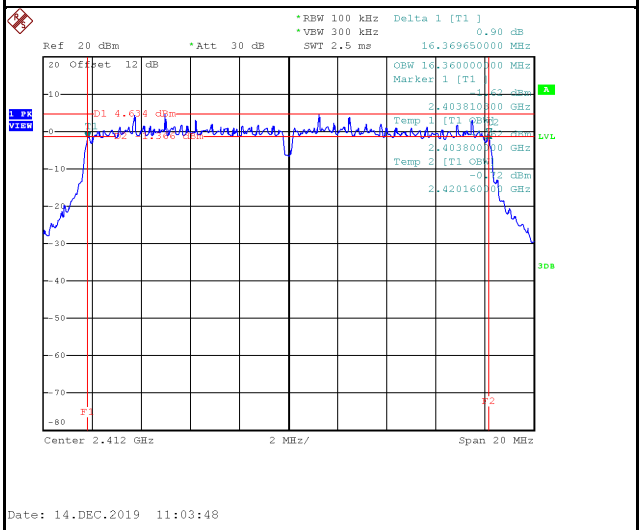
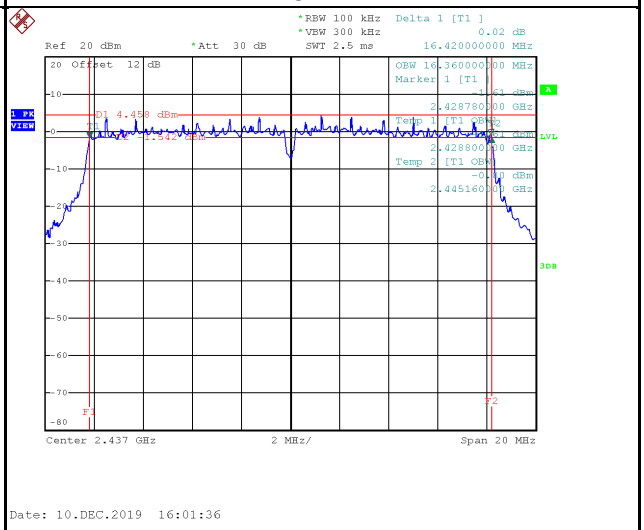
Test Mode	IEEE 802.11g_ANT 4

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.37	16.36	500	Pass
2437	16.42	16.36	500	Pass
2462	16.41	16.36	500	Pass

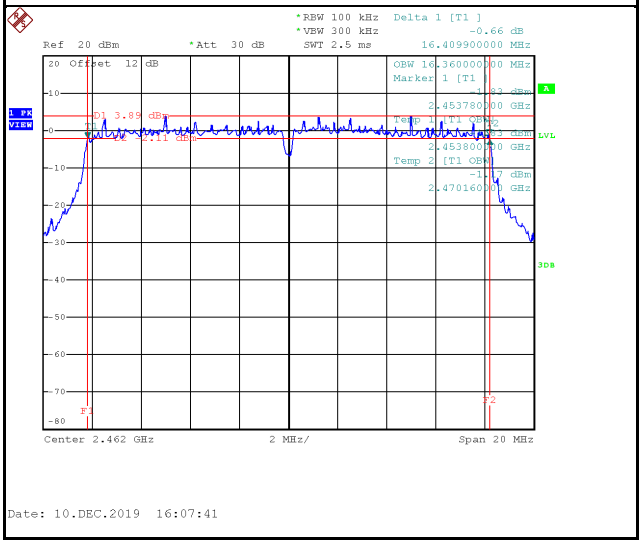
2412 MHz



2437 MHz



2462 MHz



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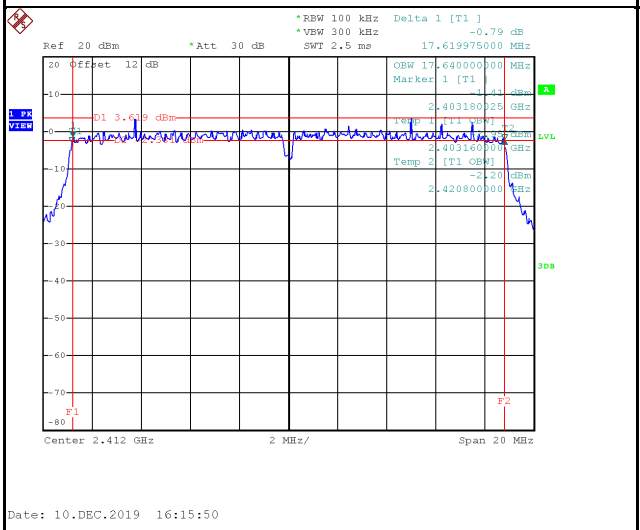
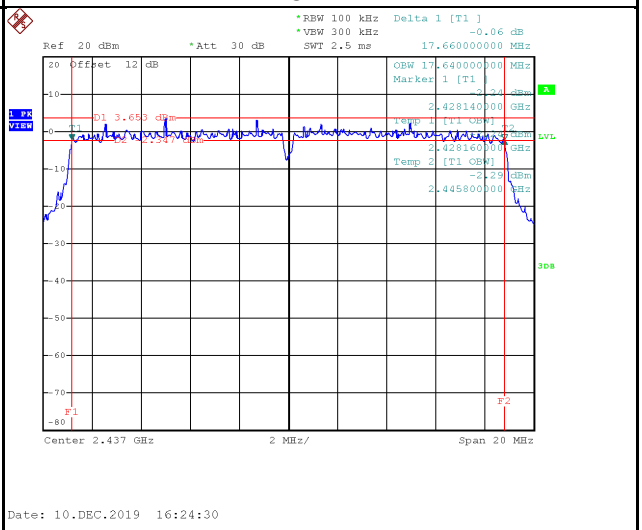
Test Mode	IEEE 802.11n (HT20)_ANT 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.62	17.64	500	Pass
2437	17.66	17.64	500	Pass
2462	17.62	17.60	500	Pass

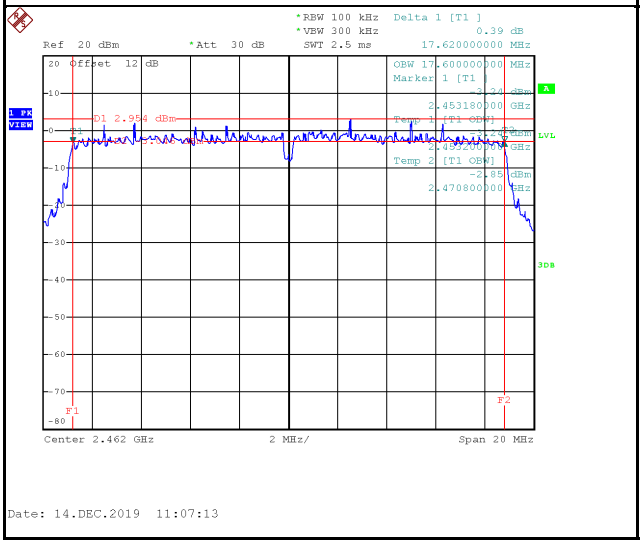
2412 MHz



2437 MHz



2462 MHz



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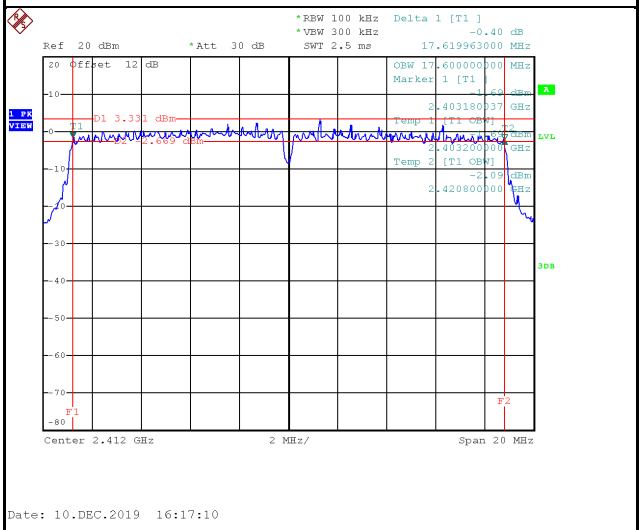
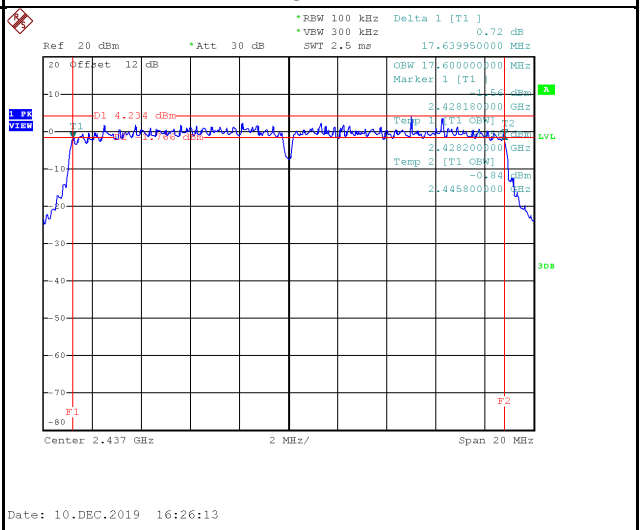
Test Mode	IEEE 802.11n (HT20)_ANT 2

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.62	17.60	500	Pass
2437	17.64	17.60	500	Pass
2462	17.62	17.60	500	Pass

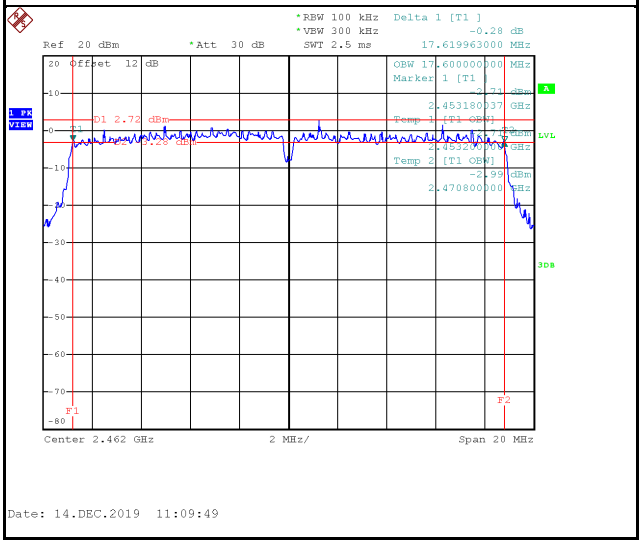
2412 MHz



2437 MHz



2462 MHz



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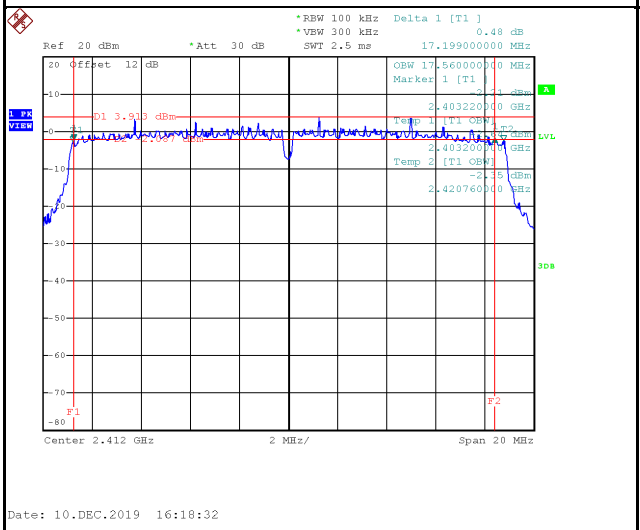
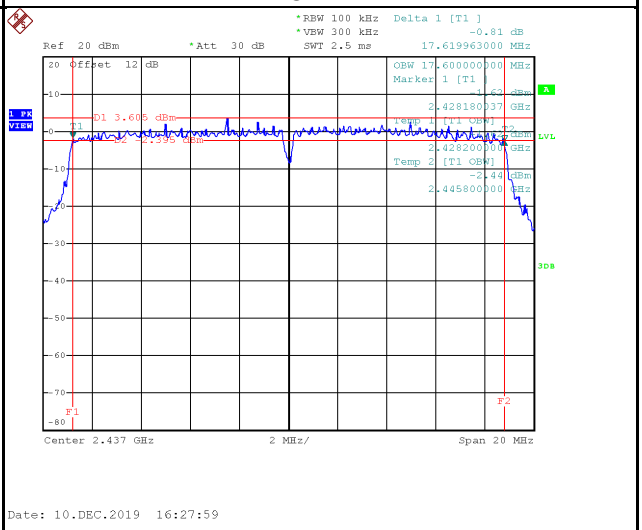
Test Mode	IEEE 802.11n (HT20)_ANT 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.20	17.56	500	Pass
2437	17.62	17.60	500	Pass
2462	17.62	17.56	500	Pass

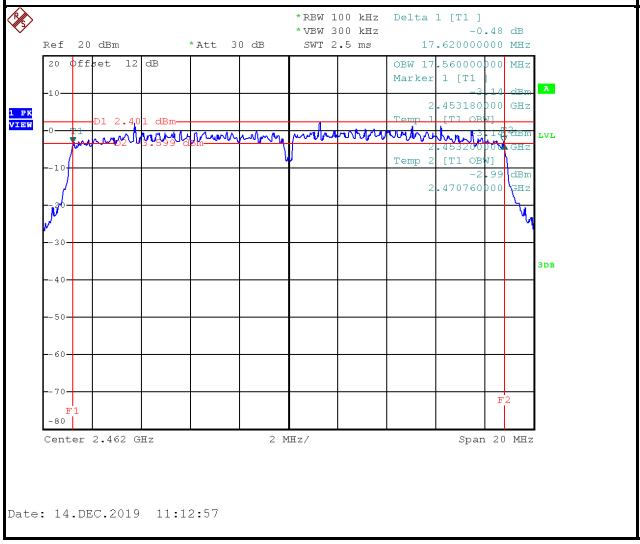
2412 MHz



2437 MHz



2462 MHz



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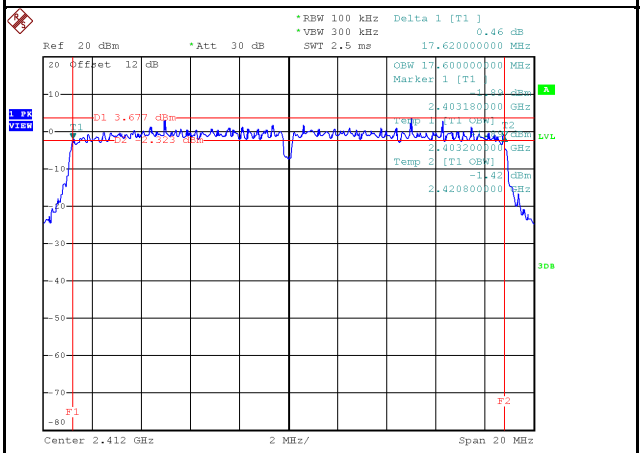
Test Mode	IEEE 802.11n (HT20)_ANT 4

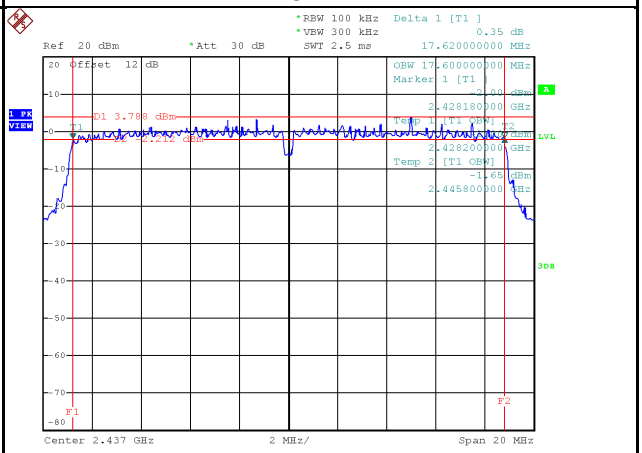
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.62	17.60	500	Pass
2437	17.62	17.60	500	Pass
2462	17.64	17.60	500	Pass

2412 MHz



Date: 10.DEC.2019 16:20:38

2437 MHz



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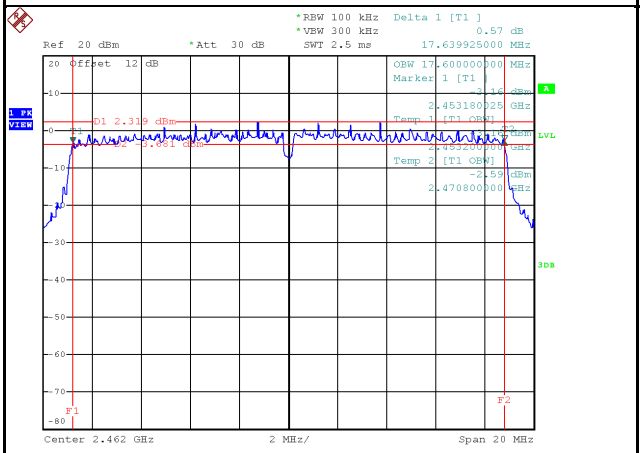
2462 MHz



Date: 14.DEC.2019 11:14:54

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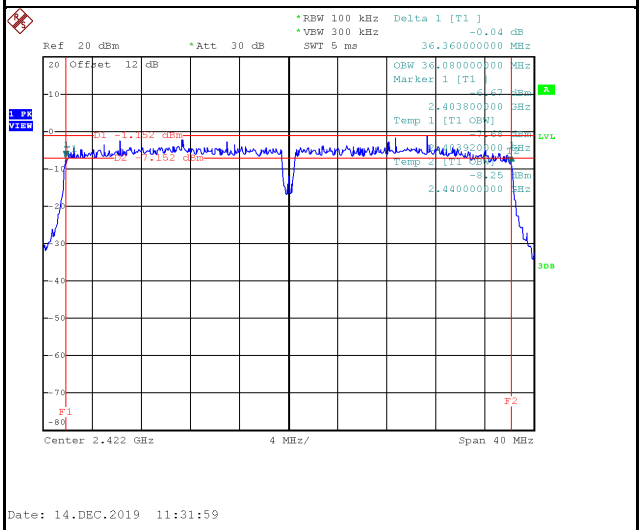
Test Mode	IEEE 802.11n (HT40)_ANT 1

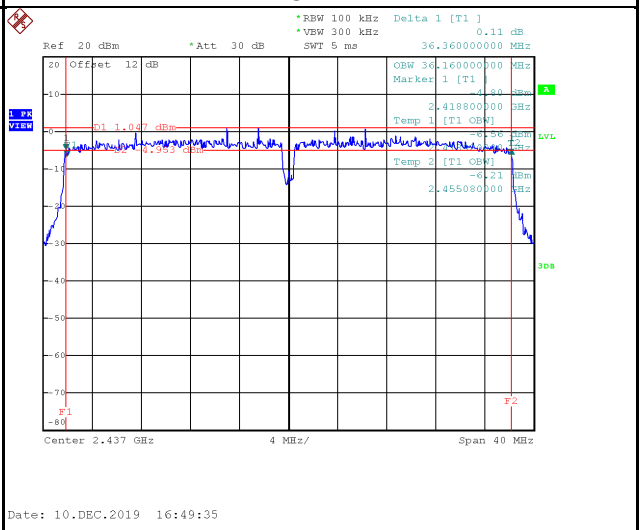
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.36	36.08	500	Pass
2437	36.36	36.16	500	Pass
2452	36.12	36.08	500	Pass

2422 MHz



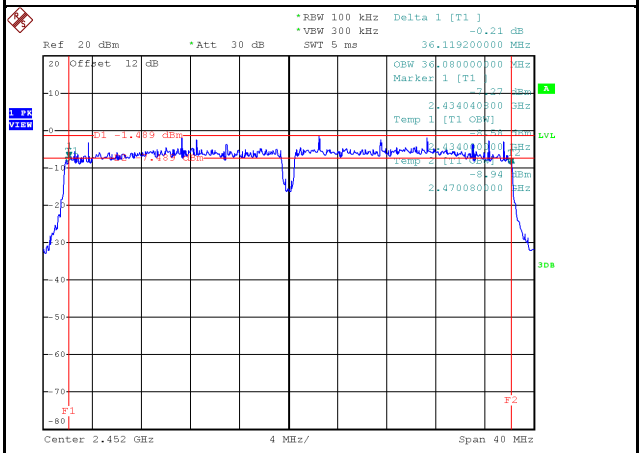
Date: 14.DEC.2019 11:31:59

2437 MHz



Date: 10.DEC.2019 16:49:35

2452 MHz



Date: 14.DEC.2019 11:37:02

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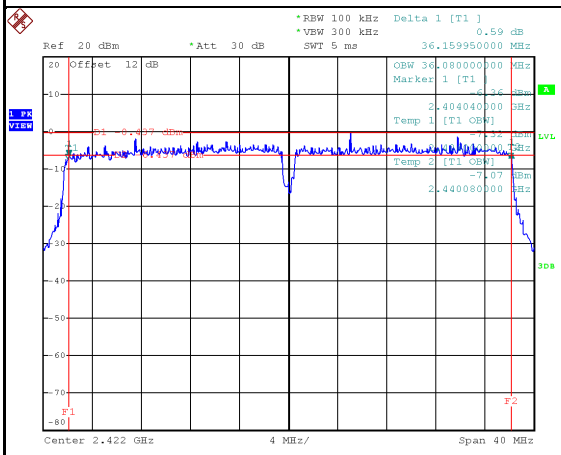
Test Mode	IEEE 802.11n (HT40)_ANT 2

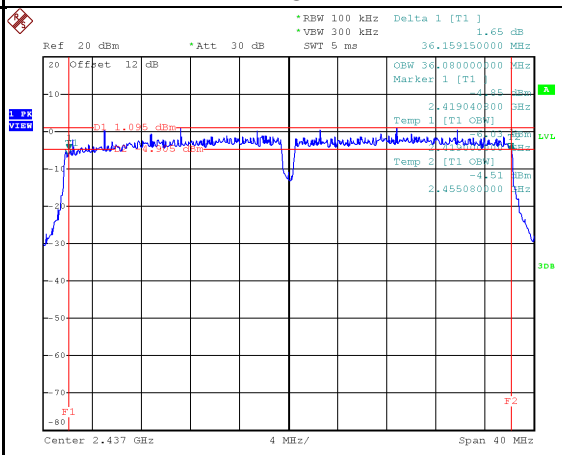
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.16	36.08	500	Pass
2437	36.16	36.08	500	Pass
2452	36.16	36.08	500	Pass

2422 MHz



Date: 14.DEC.2019 11:30:15

2437 MHz



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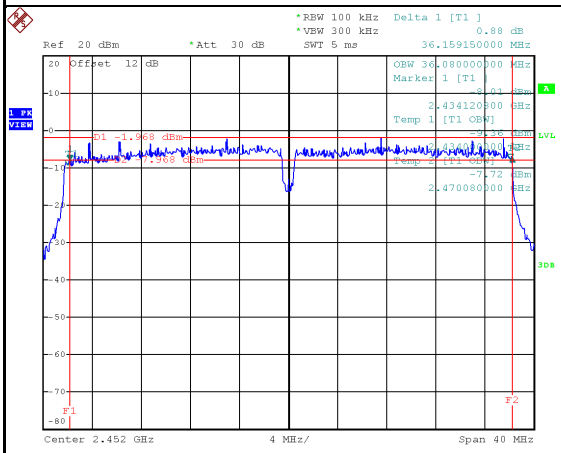
2452 MHz



Date: 14.DEC.2019 11:38:35

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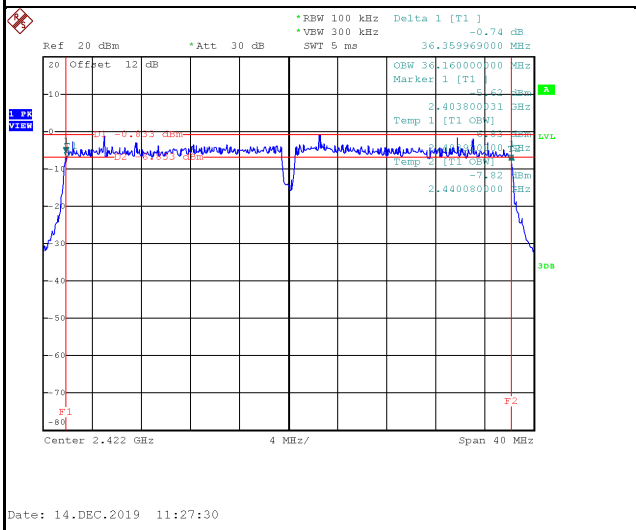
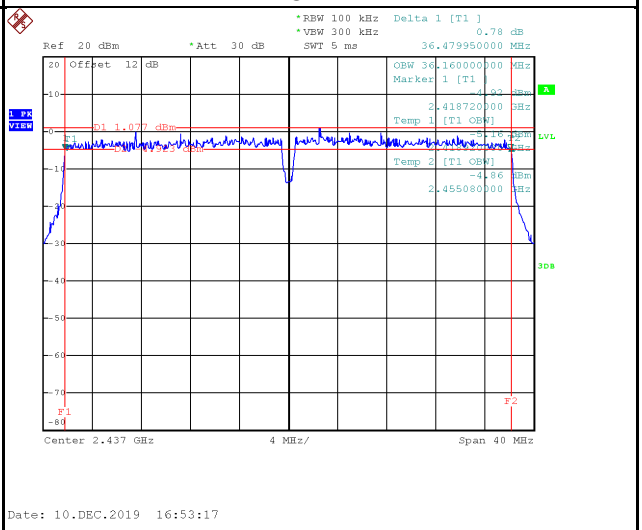
Test Mode	IEEE 802.11n (HT40)_ANT 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.36	36.16	500	Pass
2437	36.48	36.16	500	Pass
2452	36.40	36.16	500	Pass

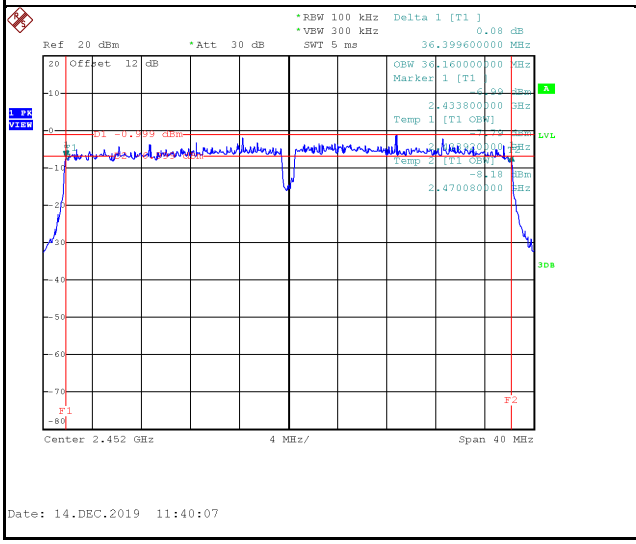
2422 MHz



2437 MHz



2452 MHz



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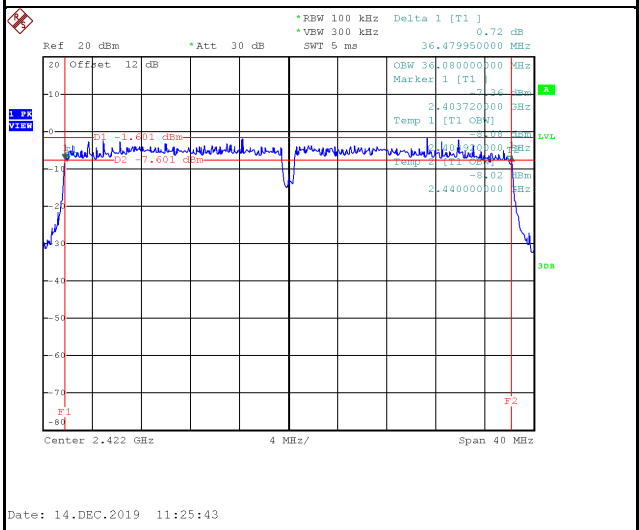
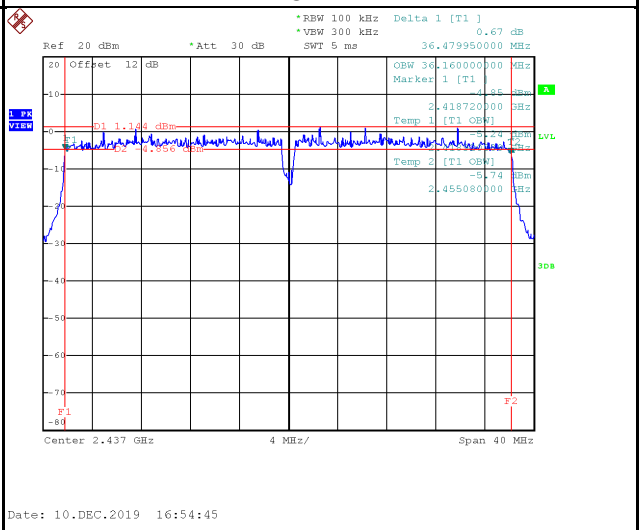
Test Mode	IEEE 802.11n (HT40)_ANT 4

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.48	36.08	500	Pass
2437	36.48	36.16	500	Pass
2452	36.49	36.16	500	Pass

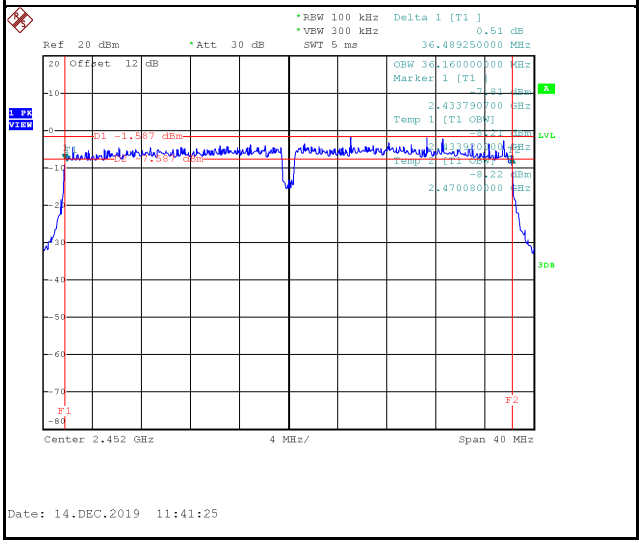
2422 MHz



2437 MHz



2452 MHz



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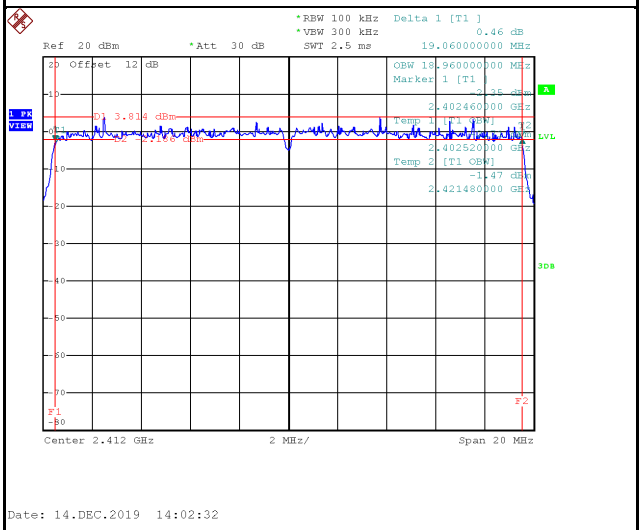
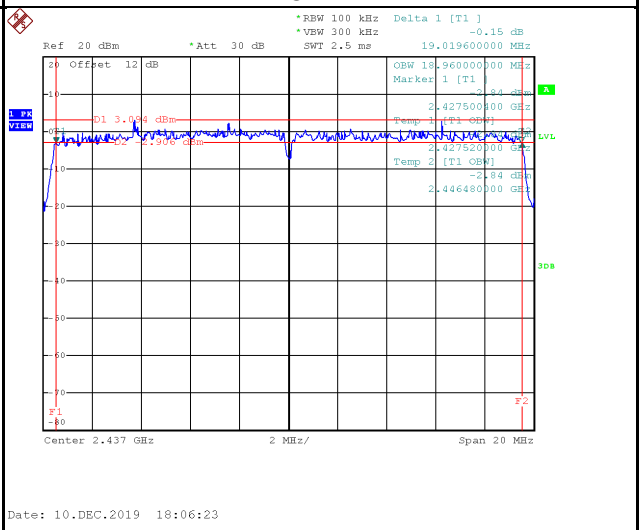
Test Mode	IEEE 802.11ax (HEW20)_ANT 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	19.06	18.96	500	Pass
2437	19.02	18.96	500	Pass
2462	19.03	18.96	500	Pass

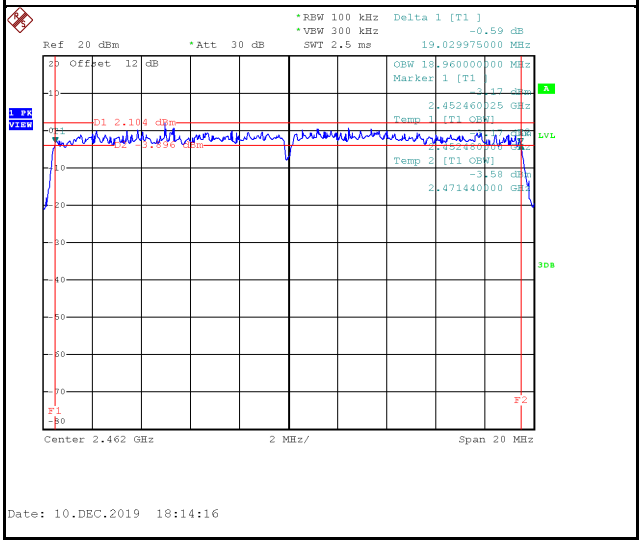
2412 MHz



2437 MHz



2462 MHz



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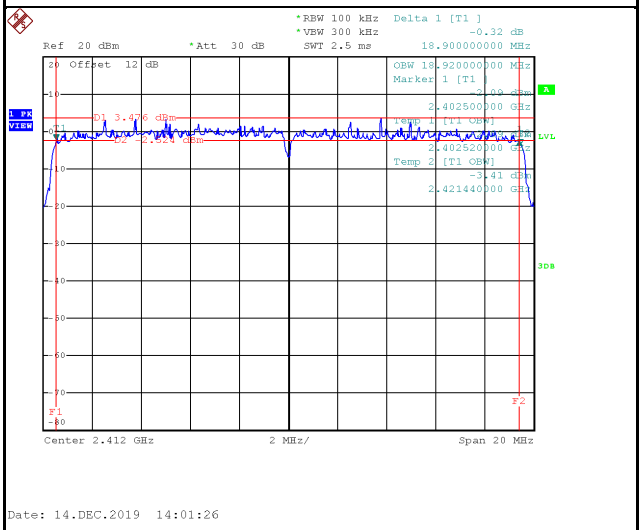
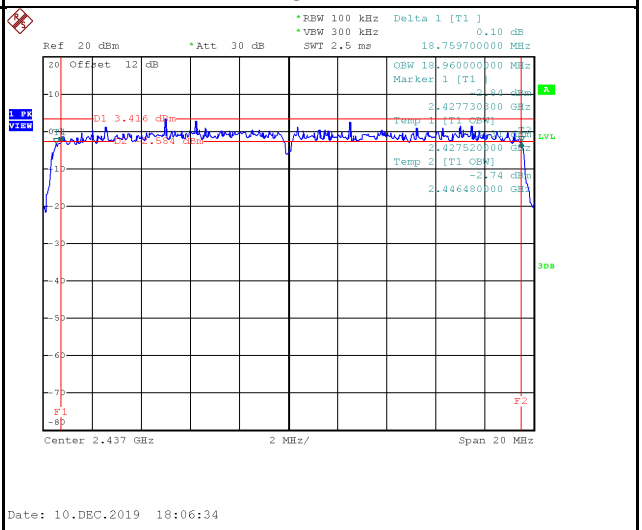
Test Mode	IEEE 802.11ax (HEW20)_ANT 2

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	18.90	18.92	500	Pass
2437	18.76	18.96	500	Pass
2462	18.92	18.92	500	Pass

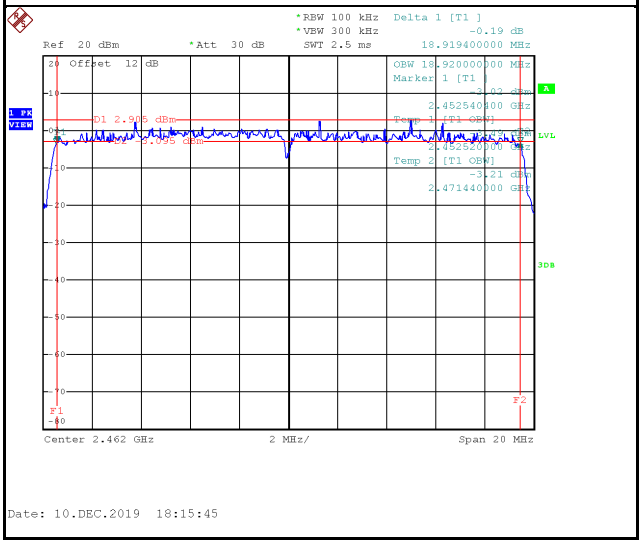
2412 MHz



2437 MHz



2462 MHz



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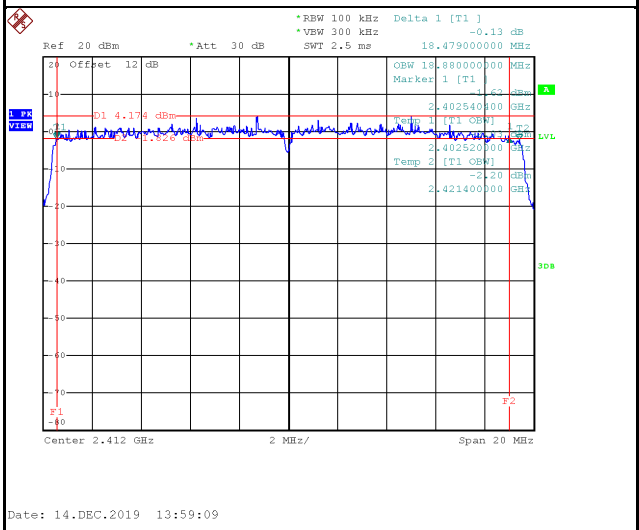
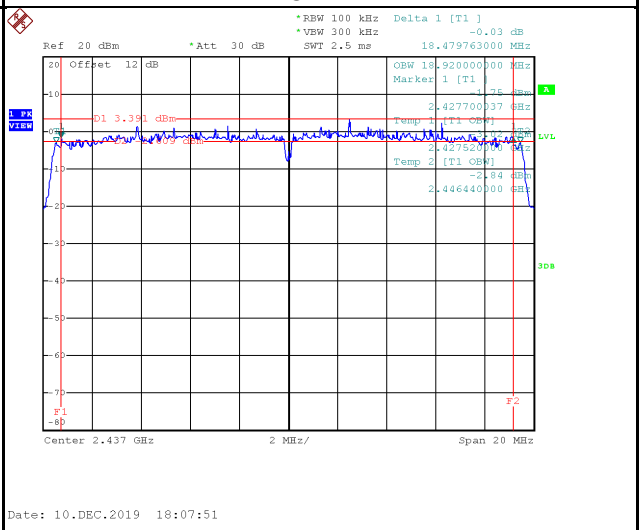
Test Mode	IEEE 802.11ax (HEW20)_ANT 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	18.48	18.88	500	Pass
2437	18.48	18.92	500	Pass
2462	18.82	18.88	500	Pass

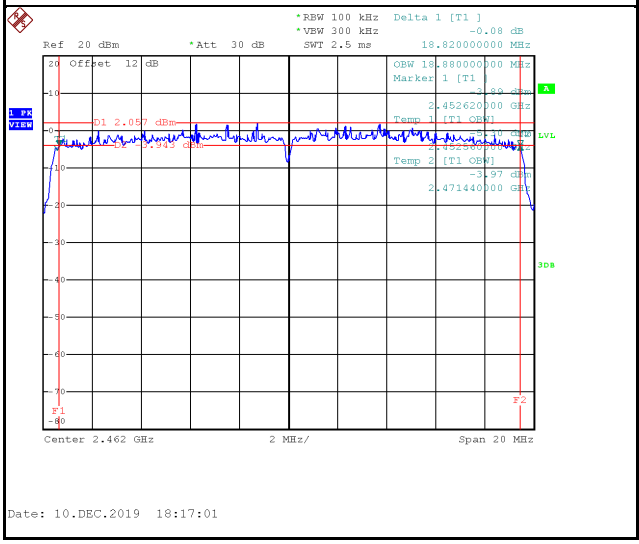
2412 MHz



2437 MHz



2462 MHz



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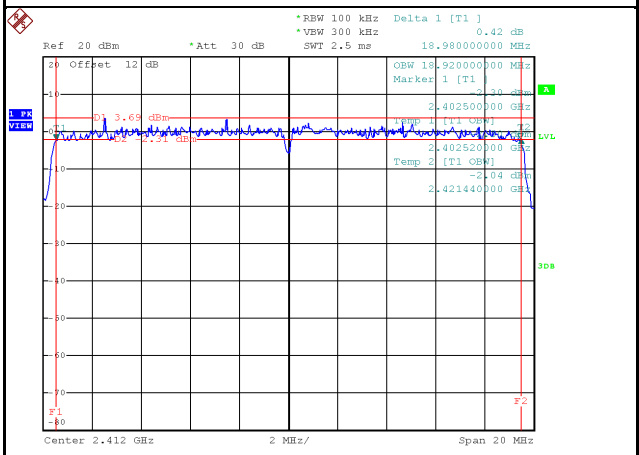
Test Mode	IEEE 802.11ax (HEW20)_ANT 4

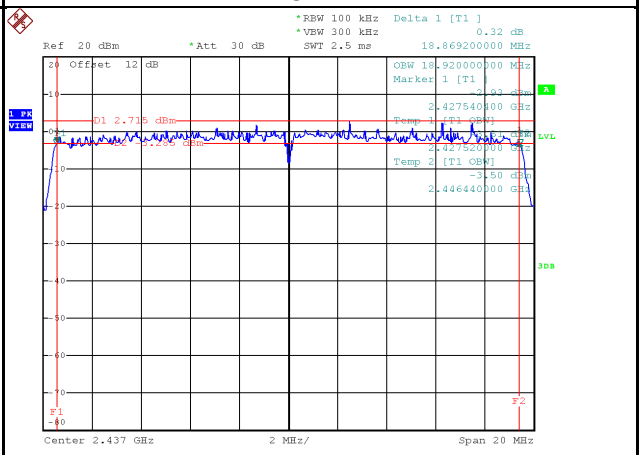
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	18.98	18.92	500	Pass
2437	18.87	18.92	500	Pass
2462	18.98	18.92	500	Pass

2412 MHz



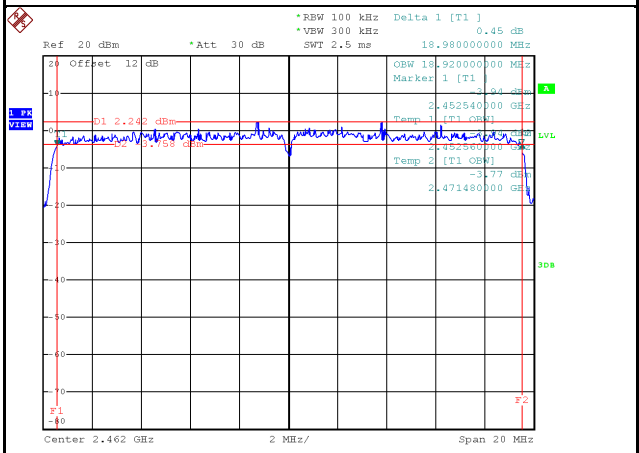
Date: 14.DEC.2019 13:57:54

2437 MHz



Date: 10.DEC.2019 18:08:57

2462 MHz



Date: 10.DEC.2019 18:18:12

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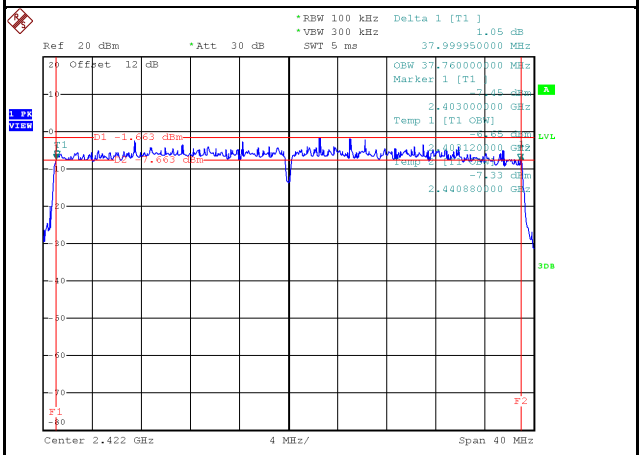
Test Mode	IEEE 802.11ax (HEW40)_ANT 1

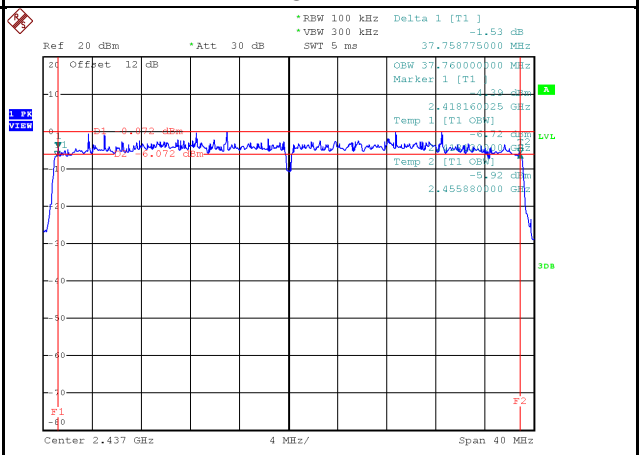
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	38.00	37.76	500	Pass
2437	37.76	37.76	500	Pass
2452	38.16	37.84	500	Pass

2422 MHz



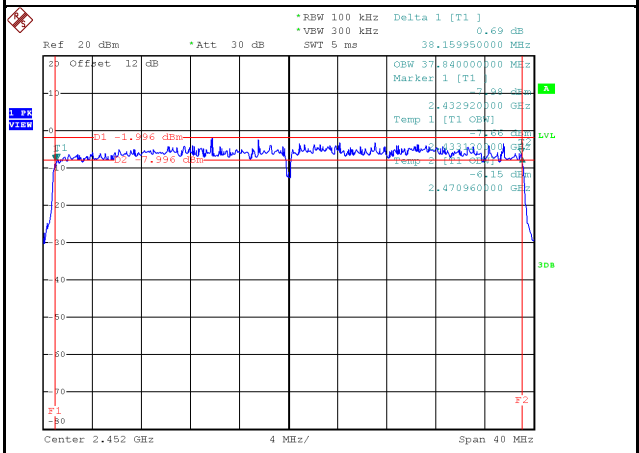
Date: 14.DEC.2019 14:06:17

2437 MHz



Date: 10.DEC.2019 18:27:48

2452 MHz



Date: 14.DEC.2019 14:27:20

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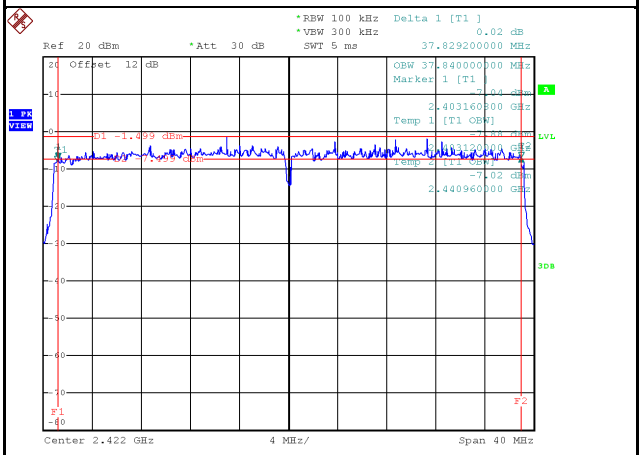
Test Mode	IEEE 802.11ax (HEW40)_ANT 2

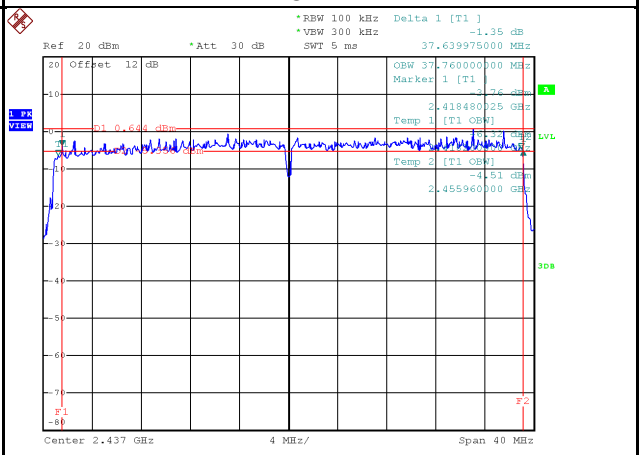
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	37.83	37.84	500	Pass
2437	37.64	37.76	500	Pass
2452	37.88	37.68	500	Pass

2422 MHz



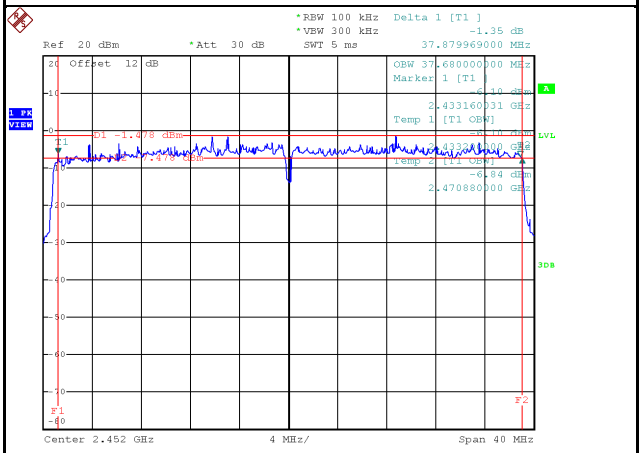
Date: 14.DEC.2019 14:10:40

2437 MHz



Date: 10.DEC.2019 18:24:32

2452 MHz



Date: 14.DEC.2019 14:28:35

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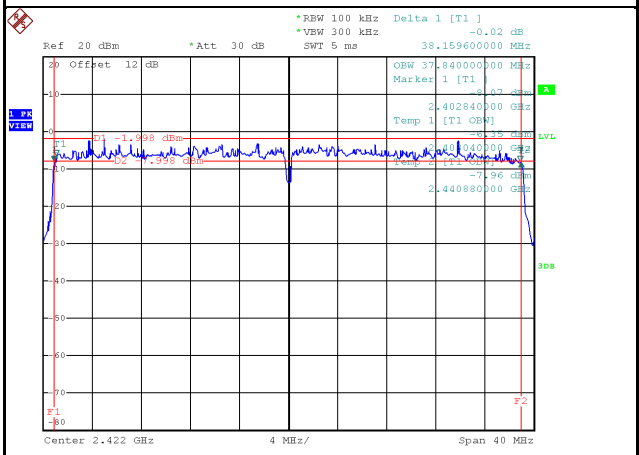
Test Mode	IEEE 802.11ax (HEW40)_ANT 3

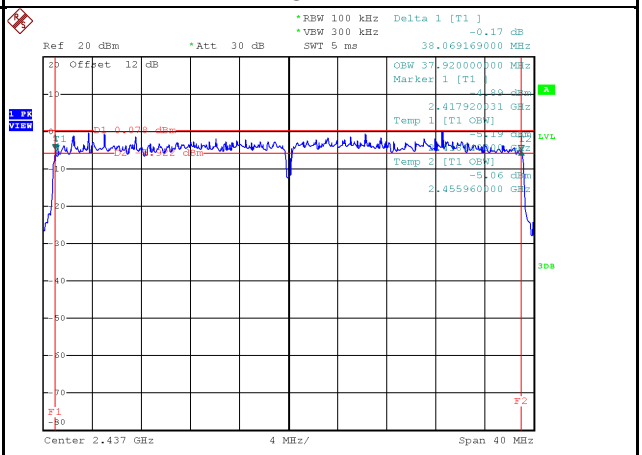
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	38.16	37.84	500	Pass
2437	38.07	37.92	500	Pass
2452	37.84	37.76	500	Pass

2422 MHz



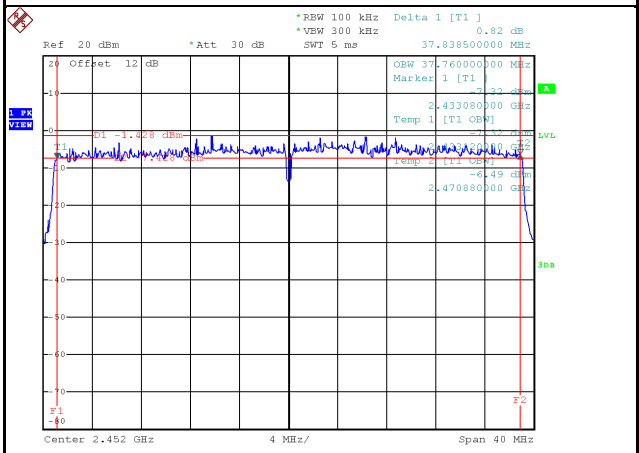
Date: 14.DEC.2019 14:17:56

2437 MHz



Date: 10.DEC.2019 18:25:43

2452 MHz



Date: 14.DEC.2019 14:30:21

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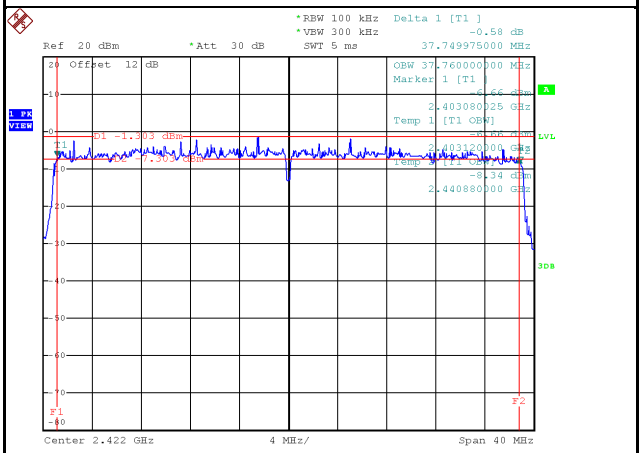
Test Mode	IEEE 802.11ax (HEW40)_ANT 4

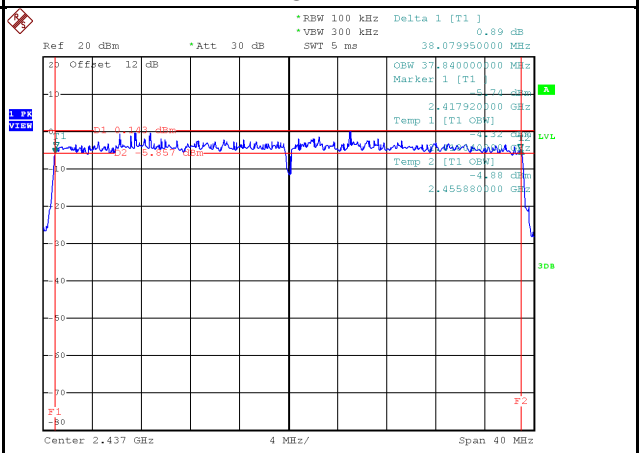
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	37.75	37.76	500	Pass
2437	38.08	37.84	500	Pass
2452	37.77	37.84	500	Pass

2422 MHz



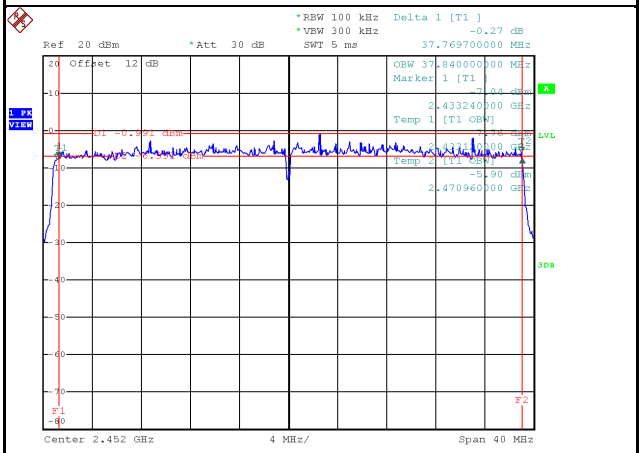
Date: 14.DEC.2019 14:19:07

2437 MHz



Date: 10.DEC.2019 18:21:35

2452 MHz



Date: 14.DEC.2019 14:31:37

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APPENDIX E OUTPUT POWER

Test Mode	Non-Beamforming mode

Test Mode	IEEE 802.11b_ANT 1
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.63	0.2307	30.00	1.0000	Pass
2437	23.42	0.2198	30.00	1.0000	Pass
2462	23.48	0.2228	30.00	1.0000	Pass

Test Mode	IEEE 802.11b_ANT 2
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.60	0.2291	30.00	1.0000	Pass
2437	24.02	0.2523	30.00	1.0000	Pass
2462	24.02	0.2523	30.00	1.0000	Pass

Test Mode	IEEE 802.11b_ANT 3
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.76	0.2377	30.00	1.0000	Pass
2437	23.57	0.2275	30.00	1.0000	Pass
2462	23.45	0.2213	30.00	1.0000	Pass

Test Mode	IEEE 802.11b_ANT 4
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.74	0.2366	30.00	1.0000	Pass
2437	23.33	0.2153	30.00	1.0000	Pass
2462	23.81	0.2404	30.00	1.0000	Pass

Test Mode	IEEE 802.11b_Total
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	29.70	0.9340	30.00	1.0000	Pass
2437	29.61	0.9149	30.00	1.0000	Pass
2462	29.72	0.9369	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_ANT 1
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	22.97	0.1982	30.00	1.0000	Pass
2437	23.26	0.2118	30.00	1.0000	Pass
2462	23.15	0.2065	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_ANT 2
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.24	0.2109	30.00	1.0000	Pass
2437	24.52	0.2831	30.00	1.0000	Pass
2462	24.31	0.2698	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_ANT 3
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.21	0.2094	30.00	1.0000	Pass
2437	23.63	0.2307	30.00	1.0000	Pass
2462	23.26	0.2118	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_ANT 4
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.10	0.2042	30.00	1.0000	Pass
2437	23.80	0.2399	30.00	1.0000	Pass
2462	23.84	0.2421	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_Total
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	29.15	0.8226	30.00	1.0000	Pass
2437	29.85	0.9655	30.00	1.0000	Pass
2462	29.69	0.9303	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT20)_ANT 1
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.09	0.2037	30.00	1.0000	Pass
2437	23.61	0.2296	30.00	1.0000	Pass
2462	21.81	0.1517	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT20)_ANT 2
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.17	0.2075	30.00	1.0000	Pass
2437	24.15	0.2600	30.00	1.0000	Pass
2462	21.72	0.1486	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT20)_ANT 3
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.67	0.2328	30.00	1.0000	Pass
2437	24.12	0.2582	30.00	1.0000	Pass
2462	22.16	0.1644	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT20)_ANT 4
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.76	0.2377	30.00	1.0000	Pass
2437	23.65	0.2317	30.00	1.0000	Pass
2462	21.66	0.1466	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT20)_Total
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	29.45	0.8817	30.00	1.0000	Pass
2437	29.91	0.9796	30.00	1.0000	Pass
2462	27.86	0.6113	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT40)_ANT 1
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.98	0.1253	30.00	1.0000	Pass
2437	23.53	0.2254	30.00	1.0000	Pass
2452	19.95	0.0989	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT40)_ANT 2
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.83	0.1211	30.00	1.0000	Pass
2437	24.05	0.2541	30.00	1.0000	Pass
2452	20.20	0.1047	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT40)_ANT 3
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.99	0.1256	30.00	1.0000	Pass
2437	23.71	0.2350	30.00	1.0000	Pass
2452	20.58	0.1143	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT40)_ANT 4
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	21.19	0.1315	30.00	1.0000	Pass
2437	24.16	0.2606	30.00	1.0000	Pass
2452	20.38	0.1091	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT40)_Total
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	27.02	0.5035	30.00	1.0000	Pass
2437	29.89	0.9751	30.00	1.0000	Pass
2452	26.30	0.4270	30.00	1.0000	Pass

Test Mode	IEEE 802.11ac (VHT20)_ANT 1
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.03	0.2009	30.00	1.0000	Pass
2437	23.38	0.2178	30.00	1.0000	Pass
2462	21.71	0.1483	30.00	1.0000	Pass

Test Mode	IEEE 802.11ac (VHT20)_ANT 2
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.11	0.2046	30.00	1.0000	Pass
2437	24.03	0.2529	30.00	1.0000	Pass
2462	21.65	0.1462	30.00	1.0000	Pass

Test Mode	IEEE 802.11ac (VHT20)_ANT 3
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.78	0.2388	30.00	1.0000	Pass
2437	23.98	0.2500	30.00	1.0000	Pass
2462	22.11	0.1626	30.00	1.0000	Pass

Test Mode	IEEE 802.11ac (VHT20)_ANT 4
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.68	0.2333	30.00	1.0000	Pass
2437	23.56	0.2270	30.00	1.0000	Pass
2462	21.58	0.1439	30.00	1.0000	Pass

Test Mode	IEEE 802.11ac (VHT20)_Total
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	29.43	0.8777	30.00	1.0000	Pass
2437	29.77	0.9477	30.00	1.0000	Pass
2462	27.79	0.6009	30.00	1.0000	Pass

Test Mode	IEEE 802.11ac (VHT40)_ANT 1
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.87	0.1222	30.00	1.0000	Pass
2437	23.18	0.2080	30.00	1.0000	Pass
2452	19.80	0.0955	30.00	1.0000	Pass

Test Mode	IEEE 802.11ac (VHT40)_ANT 2
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.77	0.1194	30.00	1.0000	Pass
2437	23.97	0.2495	30.00	1.0000	Pass
2452	20.16	0.1038	30.00	1.0000	Pass

Test Mode	IEEE 802.11ac (VHT40)_ANT 3
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.95	0.1245	30.00	1.0000	Pass
2437	23.20	0.2089	30.00	1.0000	Pass
2452	20.44	0.1107	30.00	1.0000	Pass

Test Mode	IEEE 802.11ac (VHT40)_ANT 4
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.92	0.1236	30.00	1.0000	Pass
2437	23.61	0.2296	30.00	1.0000	Pass
2452	20.31	0.1074	30.00	1.0000	Pass

Test Mode	IEEE 802.11ac (VHT40)_Total
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	26.90	0.4896	30.00	1.0000	Pass
2437	29.52	0.8960	30.00	1.0000	Pass
2452	26.20	0.4173	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HEW20)_ANT 1
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.62	0.2301	30.00	1.0000	Pass
2437	23.32	0.2148	30.00	1.0000	Pass
2462	23.21	0.2094	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HEW20)_ANT 2
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.10	0.2042	30.00	1.0000	Pass
2437	23.77	0.2382	30.00	1.0000	Pass
2462	23.44	0.2208	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HEW20)_ANT 3
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	24.37	0.2735	30.00	1.0000	Pass
2437	23.30	0.2138	30.00	1.0000	Pass
2462	23.16	0.2070	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HEW20)_ANT 4
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	24.22	0.2642	30.00	1.0000	Pass
2437	23.36	0.2168	30.00	1.0000	Pass
2462	23.48	0.2228	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HEW20)_Total
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	29.88	0.9721	30.00	1.0000	Pass
2437	29.46	0.8836	30.00	1.0000	Pass
2462	29.35	0.8601	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HEW40)_ANT 1
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.40	0.1096	30.00	1.0000	Pass
2437	23.23	0.2104	30.00	1.0000	Pass
2452	20.98	0.1253	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HEW40)_ANT 2
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.57	0.1140	30.00	1.0000	Pass
2437	23.81	0.2404	30.00	1.0000	Pass
2452	20.88	0.1225	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HEW40)_ANT 3
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.62	0.1153	30.00	1.0000	Pass
2437	23.20	0.2089	30.00	1.0000	Pass
2452	21.58	0.1439	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HEW40)_ANT 4
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.70	0.1175	30.00	1.0000	Pass
2437	23.45	0.2213	30.00	1.0000	Pass
2452	20.83	0.1211	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HEW40)_Total
Tested Date	2019/12/14

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	26.59	0.4565	30.00	1.0000	Pass
2437	29.45	0.8811	30.00	1.0000	Pass
2452	27.10	0.5127	30.00	1.0000	Pass

Test Mode	Beamforming mode

Test Mode	IEEE 802.11b_ANT 1
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.61	0.0577	26.52	0.4487	Pass
2437	17.40	0.0550	26.52	0.4487	Pass
2462	17.46	0.0557	26.52	0.4487	Pass

Test Mode	IEEE 802.11b_ANT 2
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.58	0.0573	26.52	0.4487	Pass
2437	18.00	0.0631	26.52	0.4487	Pass
2462	18.00	0.0631	26.52	0.4487	Pass

Test Mode	IEEE 802.11b_ANT 3
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.74	0.0594	26.52	0.4487	Pass
2437	17.55	0.0569	26.52	0.4487	Pass
2462	17.43	0.0553	26.52	0.4487	Pass

Test Mode	IEEE 802.11b_ANT 4
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.72	0.0592	26.52	0.4487	Pass
2437	17.31	0.0538	26.52	0.4487	Pass
2462	17.79	0.0601	26.52	0.4487	Pass

Test Mode	IEEE 802.11b_Total
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.68	0.2335	26.52	0.4487	Pass
2437	23.59	0.2288	26.52	0.4487	Pass
2462	23.70	0.2343	26.52	0.4487	Pass

Test Mode	IEEE 802.11g_ANT 1
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	16.95	0.0495	26.52	0.4487	Pass
2437	17.24	0.0530	26.52	0.4487	Pass
2462	17.13	0.0516	26.52	0.4487	Pass

Test Mode	IEEE 802.11g_ANT 2
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.22	0.0527	26.52	0.4487	Pass
2437	18.50	0.0708	26.52	0.4487	Pass
2462	18.29	0.0675	26.52	0.4487	Pass

Test Mode	IEEE 802.11g_ANT 3
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.19	0.0524	26.52	0.4487	Pass
2437	17.61	0.0577	26.52	0.4487	Pass
2462	17.24	0.0530	26.52	0.4487	Pass

Test Mode	IEEE 802.11g_ANT 4
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.08	0.0511	26.52	0.4487	Pass
2437	17.78	0.0600	26.52	0.4487	Pass
2462	17.82	0.0605	26.52	0.4487	Pass

Test Mode	IEEE 802.11g_Total
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.13	0.2057	26.52	0.4487	Pass
2437	23.83	0.2414	26.52	0.4487	Pass
2462	23.67	0.2326	26.52	0.4487	Pass

Test Mode	IEEE 802.11n (HT20)_ANT 1
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.07	0.0509	26.52	0.4487	Pass
2437	17.59	0.0574	26.52	0.4487	Pass
2462	15.79	0.0379	26.52	0.4487	Pass

Test Mode	IEEE 802.11n (HT20)_ANT 2
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.15	0.0519	26.52	0.4487	Pass
2437	18.13	0.0650	26.52	0.4487	Pass
2462	15.70	0.0372	26.52	0.4487	Pass

Test Mode	IEEE 802.11n (HT20)_ANT 3
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.65	0.0582	26.52	0.4487	Pass
2437	18.10	0.0646	26.52	0.4487	Pass
2462	16.14	0.0411	26.52	0.4487	Pass

Test Mode	IEEE 802.11n (HT20)_ANT 4
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.74	0.0594	26.52	0.4487	Pass
2437	17.63	0.0579	26.52	0.4487	Pass
2462	15.64	0.0366	26.52	0.4487	Pass

Test Mode	IEEE 802.11n (HT20)_Total
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.43	0.2205	26.52	0.4487	Pass
2437	23.89	0.2449	26.52	0.4487	Pass
2462	21.84	0.1528	26.52	0.4487	Pass

Test Mode	IEEE 802.11n (HT40)_ANT 1
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.96	0.0313	26.52	0.4487	Pass
2437	17.51	0.0564	26.52	0.4487	Pass
2452	13.93	0.0247	26.52	0.4487	Pass

Test Mode	IEEE 802.11n (HT40)_ANT 2
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.81	0.0303	26.52	0.4487	Pass
2437	18.03	0.0635	26.52	0.4487	Pass
2452	14.18	0.0262	26.52	0.4487	Pass

Test Mode	IEEE 802.11n (HT40)_ANT 3
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.97	0.0314	26.52	0.4487	Pass
2437	17.69	0.0587	26.52	0.4487	Pass
2452	14.56	0.0286	26.52	0.4487	Pass

Test Mode	IEEE 802.11n (HT40)_ANT 4
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	15.17	0.0329	26.52	0.4487	Pass
2437	18.14	0.0652	26.52	0.4487	Pass
2452	14.36	0.0273	26.52	0.4487	Pass

Test Mode	IEEE 802.11n (HT40)_Total
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	21.00	0.1259	26.52	0.4487	Pass
2437	23.87	0.2438	26.52	0.4487	Pass
2452	20.28	0.1068	26.52	0.4487	Pass

Test Mode	IEEE 802.11ac (VHT20)_ANT 1
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.01	0.0502	26.52	0.4487	Pass
2437	17.36	0.0545	26.52	0.4487	Pass
2462	15.69	0.0371	26.52	0.4487	Pass

Test Mode	IEEE 802.11ac (VHT20)_ANT 2
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.09	0.0512	26.52	0.4487	Pass
2437	18.01	0.0632	26.52	0.4487	Pass
2462	15.63	0.0366	26.52	0.4487	Pass

Test Mode	IEEE 802.11ac (VHT20)_ANT 3
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.76	0.0597	26.52	0.4487	Pass
2437	17.96	0.0625	26.52	0.4487	Pass
2462	16.09	0.0406	26.52	0.4487	Pass

Test Mode	IEEE 802.11ac (VHT20)_ANT 4
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.66	0.0583	26.52	0.4487	Pass
2437	17.54	0.0568	26.52	0.4487	Pass
2462	15.56	0.0360	26.52	0.4487	Pass

Test Mode	IEEE 802.11ac (VHT20)_Total
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.41	0.2195	26.52	0.4487	Pass
2437	23.75	0.2370	26.52	0.4487	Pass
2462	21.77	0.1502	26.52	0.4487	Pass

Test Mode	IEEE 802.11ac (VHT40)_ANT 1
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.85	0.0305	26.52	0.4487	Pass
2437	17.16	0.0520	26.52	0.4487	Pass
2452	13.78	0.0239	26.52	0.4487	Pass

Test Mode	IEEE 802.11ac (VHT40)_ANT 2
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.75	0.0299	26.52	0.4487	Pass
2437	17.95	0.0624	26.52	0.4487	Pass
2452	14.14	0.0259	26.52	0.4487	Pass

Test Mode	IEEE 802.11ac (VHT40)_ANT 3
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.93	0.0311	26.52	0.4487	Pass
2437	17.18	0.0522	26.52	0.4487	Pass
2452	14.42	0.0277	26.52	0.4487	Pass

Test Mode	IEEE 802.11ac (VHT40)_ANT 4
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.90	0.0309	26.52	0.4487	Pass
2437	17.59	0.0574	26.52	0.4487	Pass
2452	14.29	0.0269	26.52	0.4487	Pass

Test Mode	IEEE 802.11ac (VHT40)_Total
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.88	0.1224	26.52	0.4487	Pass
2437	23.50	0.2240	26.52	0.4487	Pass
2452	20.18	0.1043	26.52	0.4487	Pass

Test Mode	IEEE 802.11ax (HEW20)_ANT 1
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.60	0.0575	26.52	0.4487	Pass
2437	17.30	0.0537	26.52	0.4487	Pass
2462	17.19	0.0524	26.52	0.4487	Pass

Test Mode	IEEE 802.11ax (HEW20)_ANT 2
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	17.08	0.0511	26.52	0.4487	Pass
2437	17.75	0.0596	26.52	0.4487	Pass
2462	17.42	0.0552	26.52	0.4487	Pass

Test Mode	IEEE 802.11ax (HEW20)_ANT 3
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	18.35	0.0684	26.52	0.4487	Pass
2437	17.28	0.0535	26.52	0.4487	Pass
2462	17.14	0.0518	26.52	0.4487	Pass

Test Mode	IEEE 802.11ax (HEW20)_ANT 4
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	18.20	0.0661	26.52	0.4487	Pass
2437	17.34	0.0542	26.52	0.4487	Pass
2462	17.46	0.0557	26.52	0.4487	Pass

Test Mode	IEEE 802.11ax (HEW20)_Total
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2412	23.86	0.2431	26.52	0.4487	Pass
2437	23.44	0.2209	26.52	0.4487	Pass
2462	23.33	0.2150	26.52	0.4487	Pass

Test Mode	IEEE 802.11ax (HEW40)_ANT 1
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.38	0.0274	26.52	0.4487	Pass
2437	17.21	0.0526	26.52	0.4487	Pass
2452	14.96	0.0313	26.52	0.4487	Pass

Test Mode	IEEE 802.11ax (HEW40)_ANT 2
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.55	0.0285	26.52	0.4487	Pass
2437	17.79	0.0601	26.52	0.4487	Pass
2452	14.86	0.0306	26.52	0.4487	Pass

Test Mode	IEEE 802.11ax (HEW40)_ANT 3
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.60	0.0288	26.52	0.4487	Pass
2437	17.18	0.0522	26.52	0.4487	Pass
2452	15.56	0.0360	26.52	0.4487	Pass

Test Mode	IEEE 802.11ax (HEW40)_ANT 4
Tested Date	2020/2/26

Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	14.68	0.0294	26.52	0.4487	Pass
2437	17.43	0.0553	26.52	0.4487	Pass
2452	14.81	0.0303	26.52	0.4487	Pass

Test Mode	IEEE 802.11ax (HEW40)_Total
Tested Date	2020/2/26

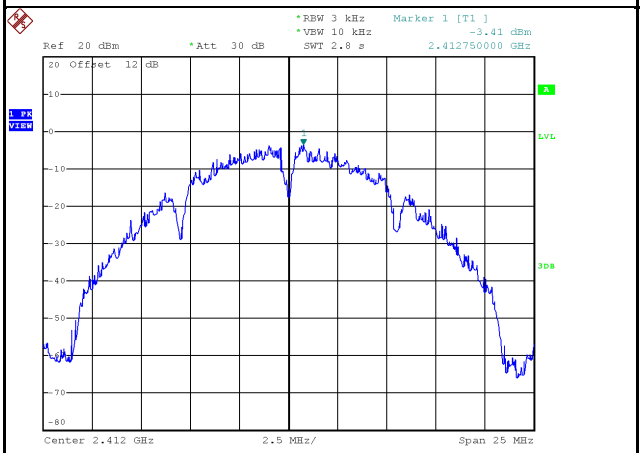
Test Frequency (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (W)	Maximum Limit (dBm)	Maximum Limit (W)	Result
2422	20.57	0.1141	26.52	0.4487	Pass
2437	23.43	0.2203	26.52	0.4487	Pass
2452	21.08	0.1282	26.52	0.4487	Pass

APPENDIX F POWER SPECTRAL DENSITY

Test Mode	IEEE 802.11b_ANT 1

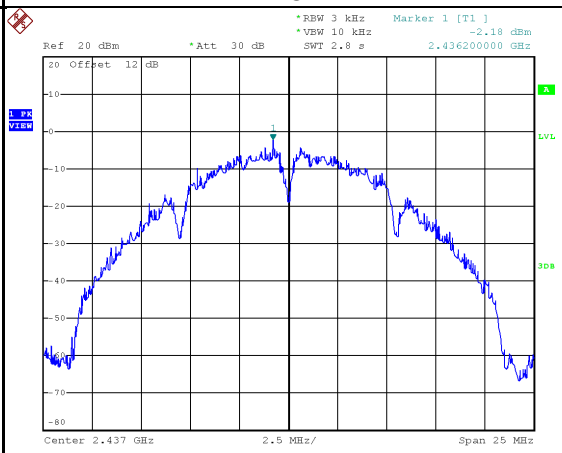
Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-3.41	4.52	Pass
2437	-2.18	4.52	Pass
2462	-3.30	4.52	Pass

2412 MHz



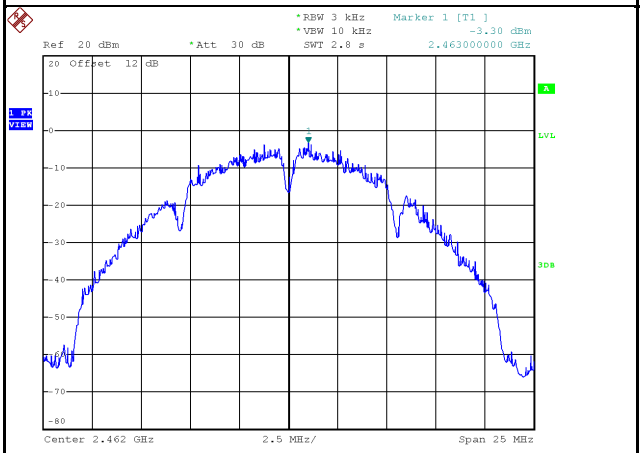
Date: 10.DEC.2019 15:05:05

2437 MHz



Date: 10.DEC.2019 15:25:11

2462 MHz



Date: 10.DEC.2019 15:52:20

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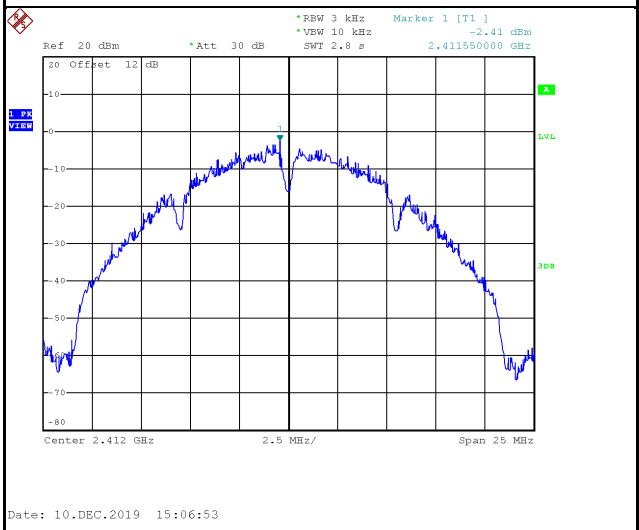
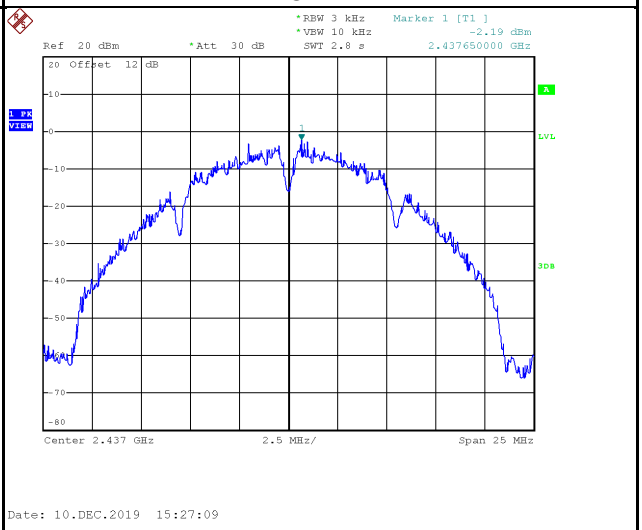
Test Mode	IEEE 802.11b_ANT 2

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-2.41	4.52	Pass
2437	-2.19	4.52	Pass
2462	-2.46	4.52	Pass

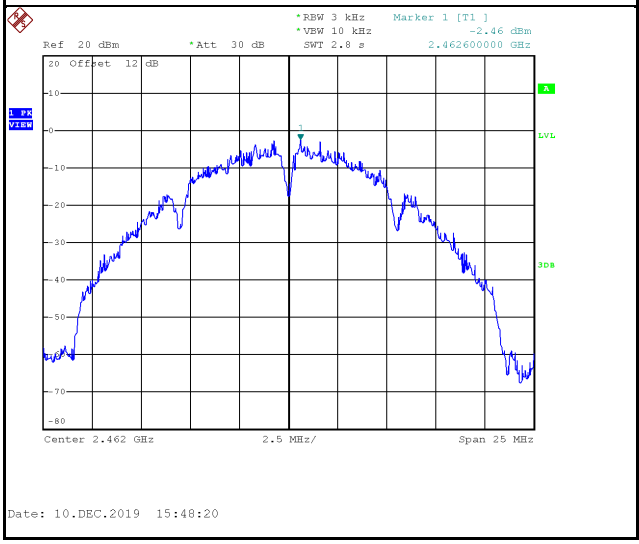
2412 MHz



2437 MHz



2462 MHz



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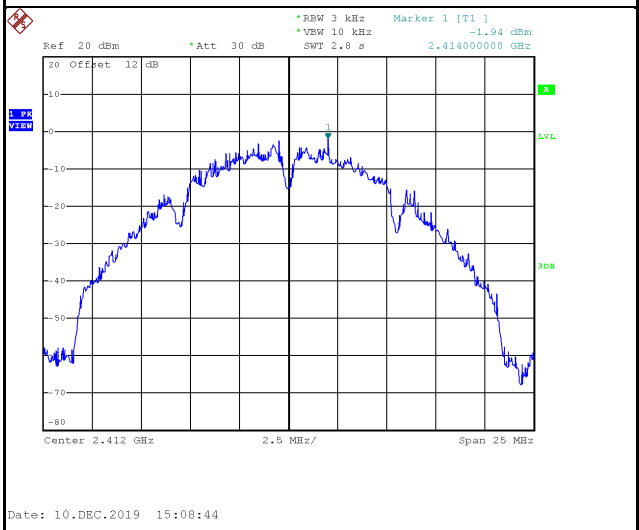
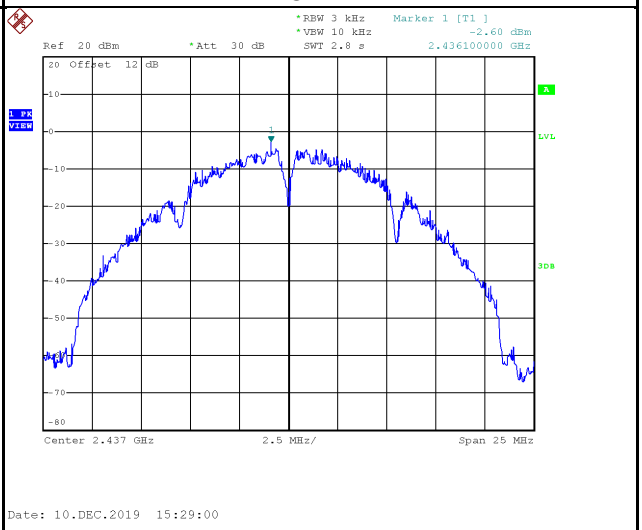
Test Mode	IEEE 802.11b_ANT 3

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-1.94	4.52	Pass
2437	-2.60	4.52	Pass
2462	-2.85	4.52	Pass

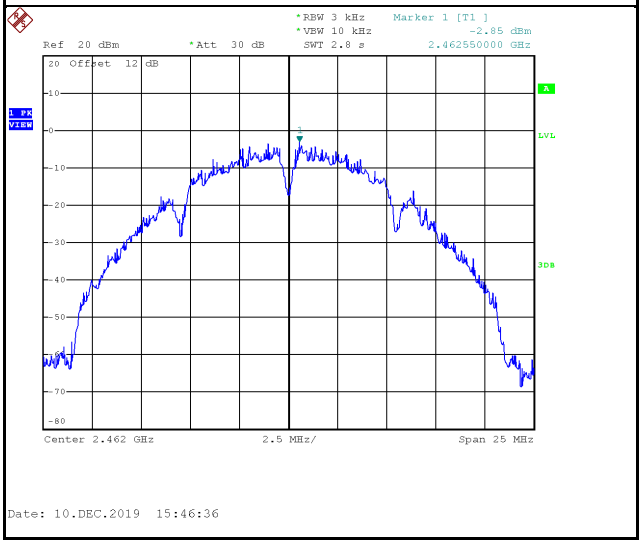
2412 MHz



2437 MHz



2462 MHz



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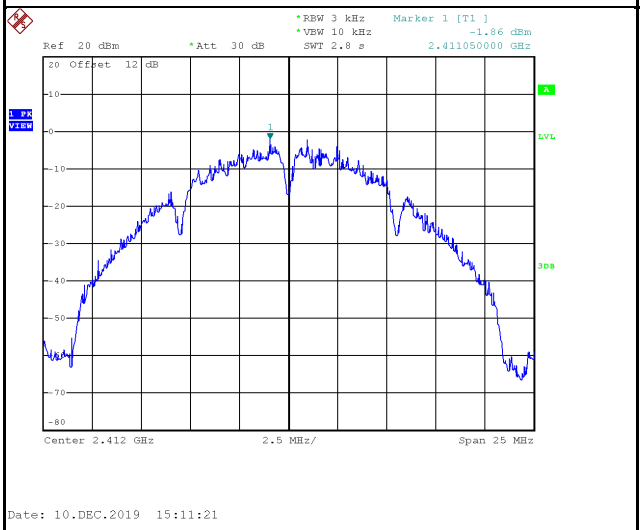
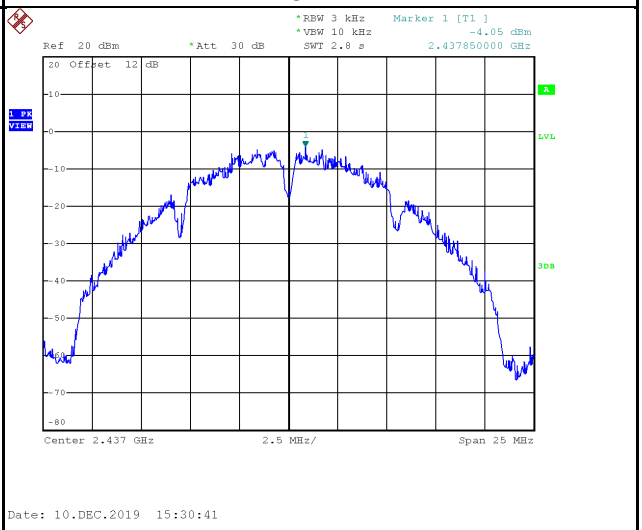
Test Mode	IEEE 802.11b_ANT 4

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-1.86	4.52	Pass
2437	-4.05	4.52	Pass
2462	-2.60	4.52	Pass

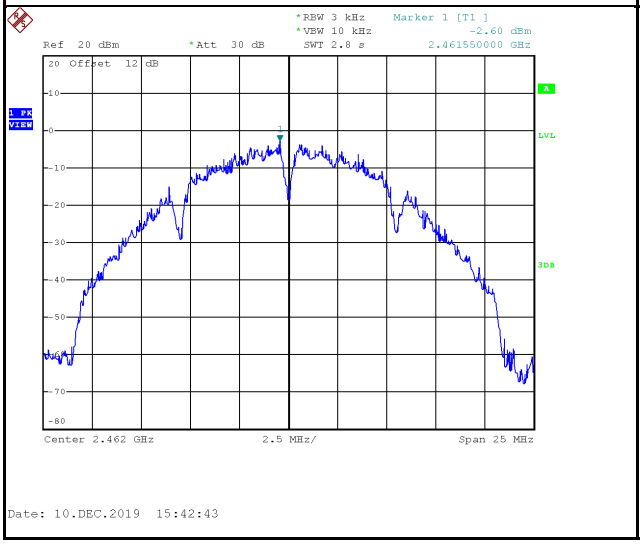
2412 MHz



2437 MHz



2462 MHz



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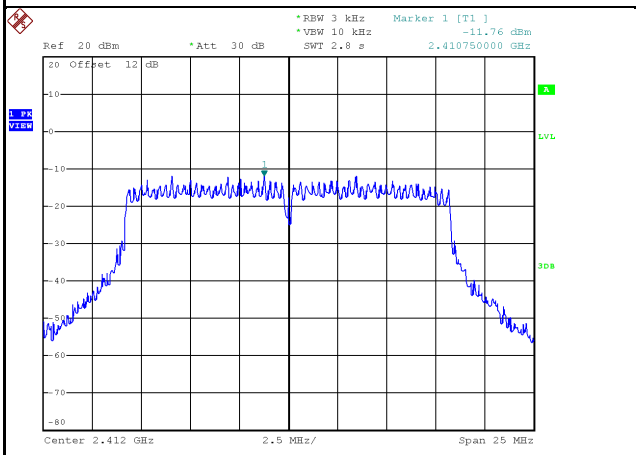
Test Mode	IEEE 802.11b_Total

Test Frequency (MHz)	Calculated Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	3.66	4.52	Pass
2437	3.33	4.52	Pass
2462	3.23	4.52	Pass

Test Mode	IEEE 802.11g_ANT 1

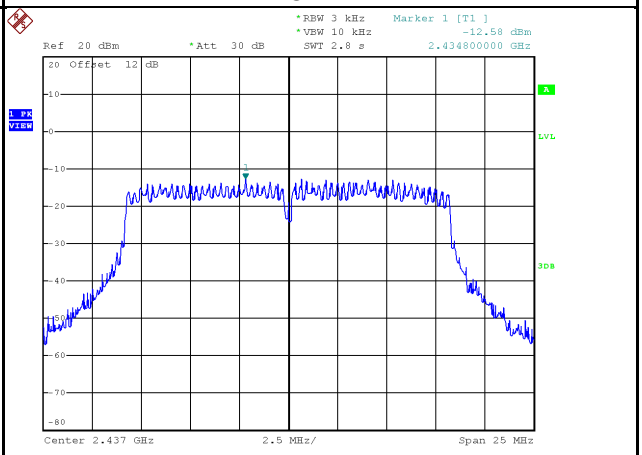
Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-11.76	4.52	Pass
2437	-12.58	4.52	Pass
2462	-12.08	4.52	Pass

2412 MHz



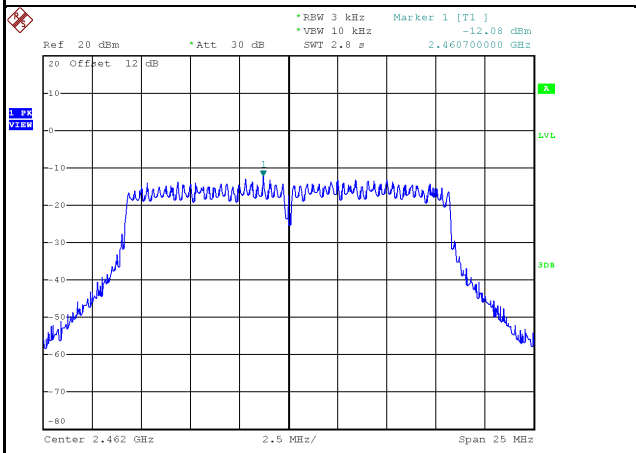
Date: 14.DEC.2019 10:58:06

2437 MHz



Date: 10.DEC.2019 15:57:44

2462 MHz



Date: 10.DEC.2019 16:12:25

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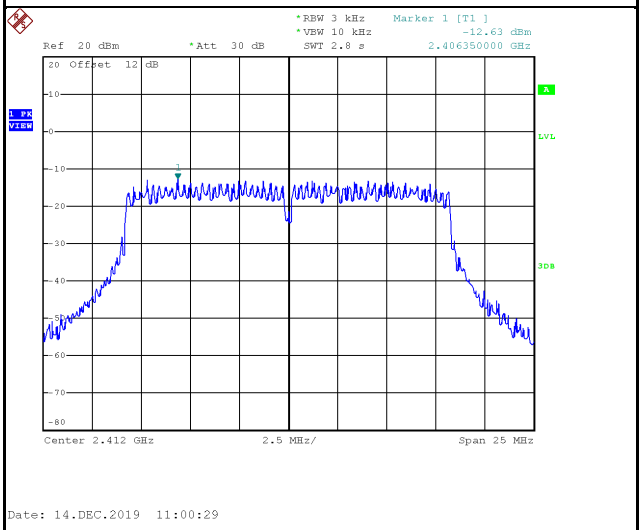
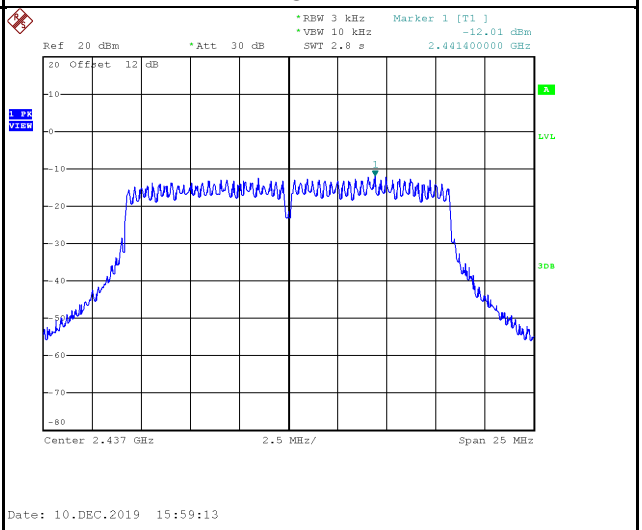
Test Mode	IEEE 802.11g_ANT 2

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-12.63	4.52	Pass
2437	-12.01	4.52	Pass
2462	-11.62	4.52	Pass

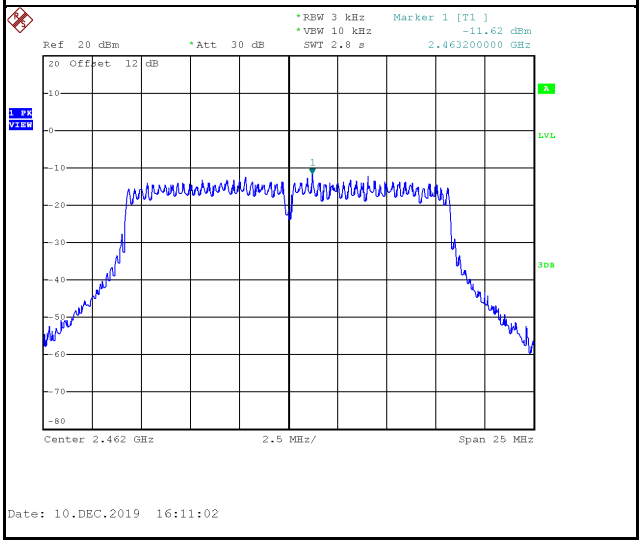
2412 MHz



2437 MHz



2462 MHz



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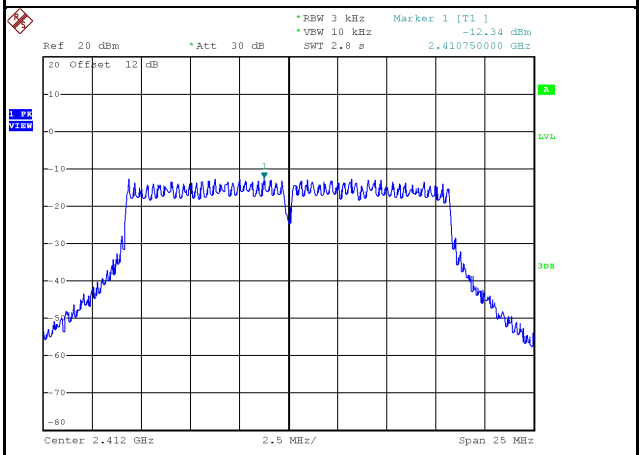
Test Mode	IEEE 802.11g_ANT 3

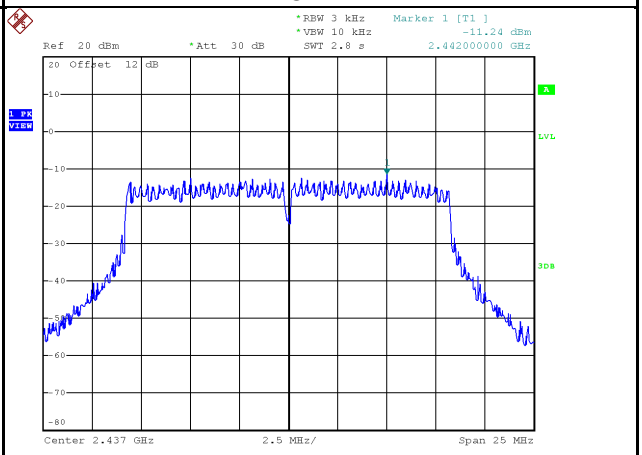
Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-12.34	4.52	Pass
2437	-11.24	4.52	Pass
2462	-11.29	4.52	Pass

2412 MHz



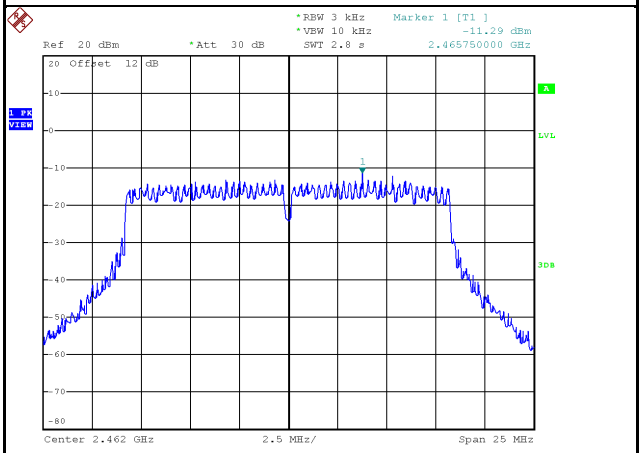
Date: 14.DEC.2019 11:02:12

2437 MHz



Date: 10.DEC.2019 16:00:41

2462 MHz



Date: 10.DEC.2019 16:09:48

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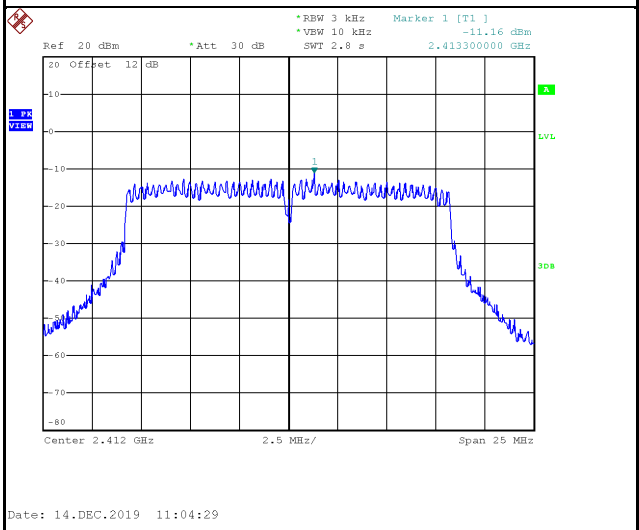
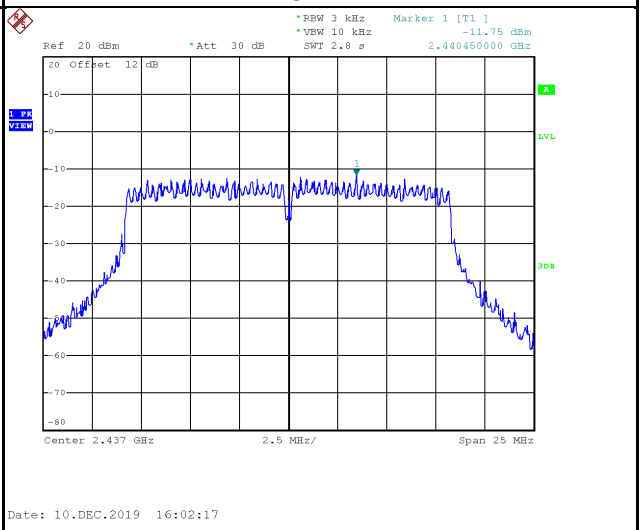
Test Mode	IEEE 802.11g_ANT 4

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-11.16	4.52	Pass
2437	-11.75	4.52	Pass
2462	-11.42	4.52	Pass

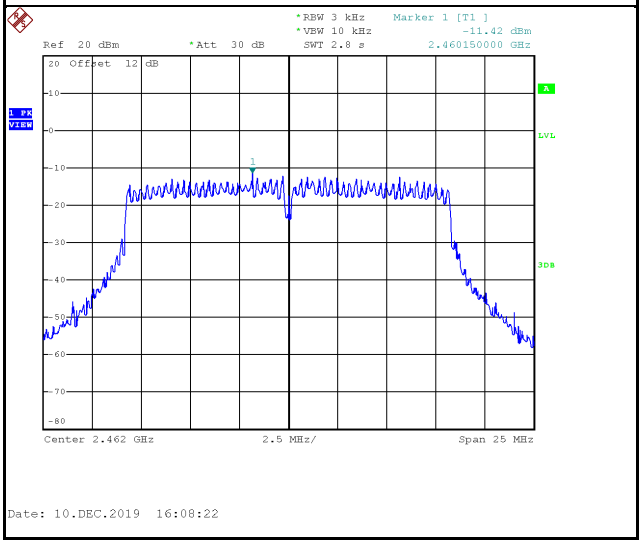
2412 MHz



2437 MHz



2462 MHz



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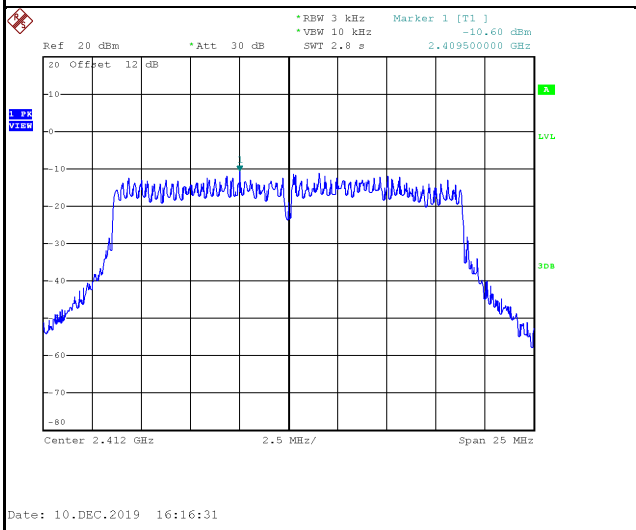
Test Mode	IEEE 802.11g_Total

Test Frequency (MHz)	Calculated Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-5.91	4.52	Pass
2437	-5.85	4.52	Pass
2462	-5.57	4.52	Pass

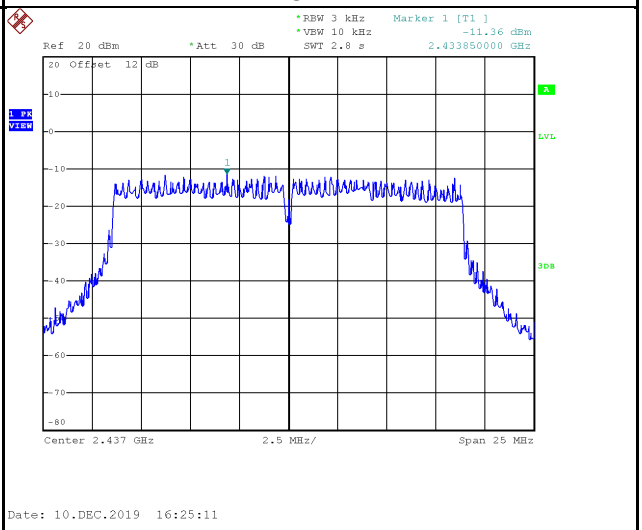
Test Mode	IEEE 802.11n (HT20)_ANT 1

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.60	4.52	Pass
2437	-11.36	4.52	Pass
2462	-11.39	4.52	Pass

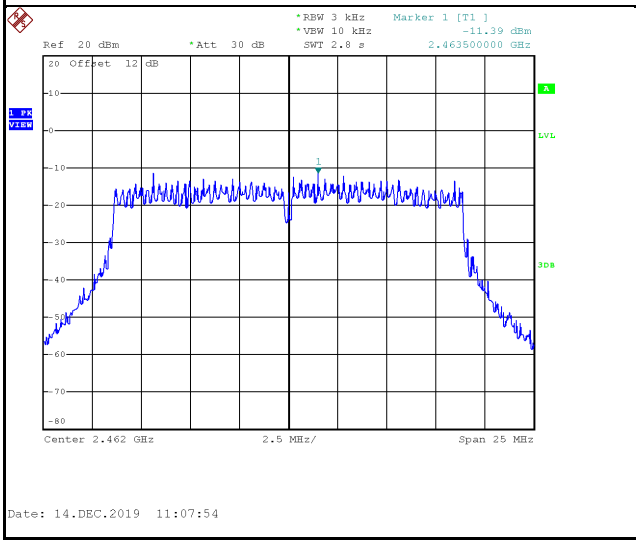
2412 MHz



2437 MHz



2462 MHz



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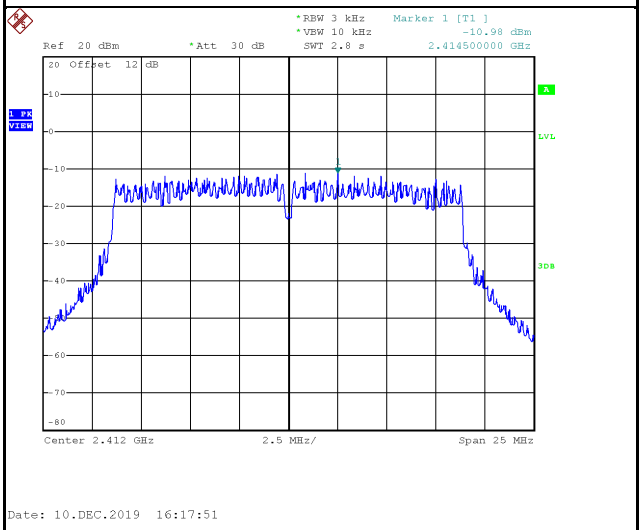
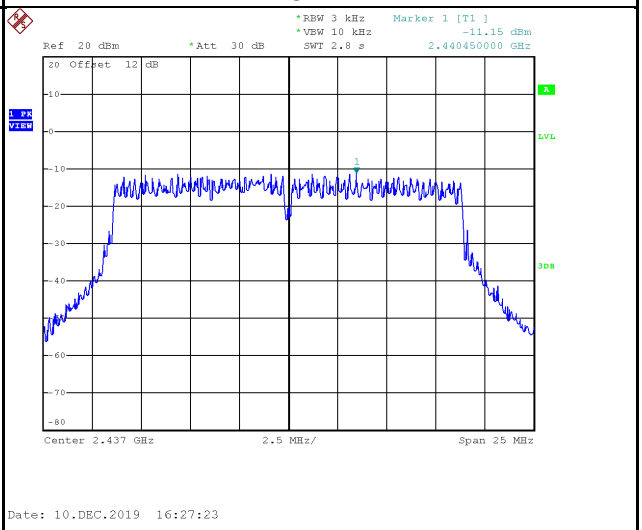
Test Mode	IEEE 802.11n (HT20)_ANT 2

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.98	4.52	Pass
2437	-11.15	4.52	Pass
2462	-10.87	4.52	Pass

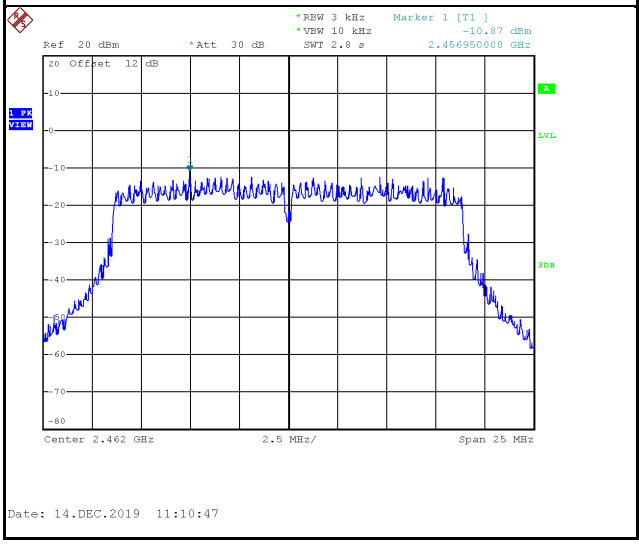
2412 MHz



2437 MHz



2462 MHz



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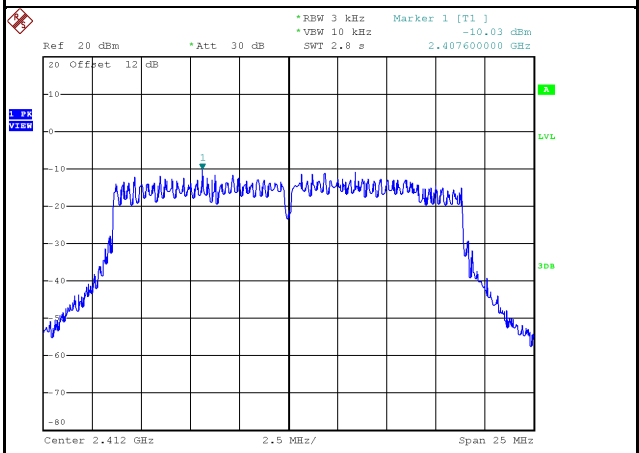
Test Mode	IEEE 802.11n (HT20)_ANT 3

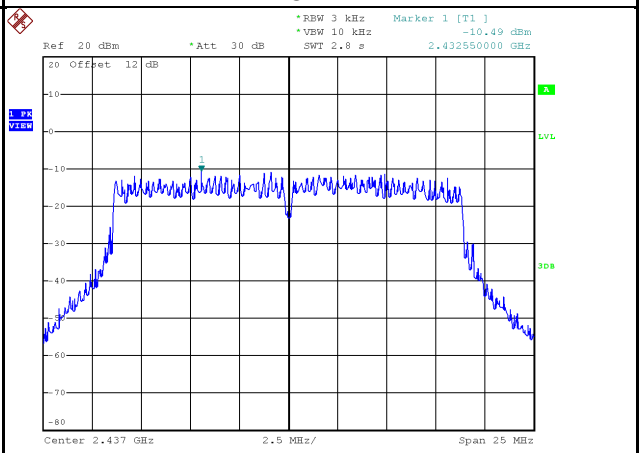
Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.03	4.52	Pass
2437	-10.49	4.52	Pass
2462	-11.44	4.52	Pass

2412 MHz



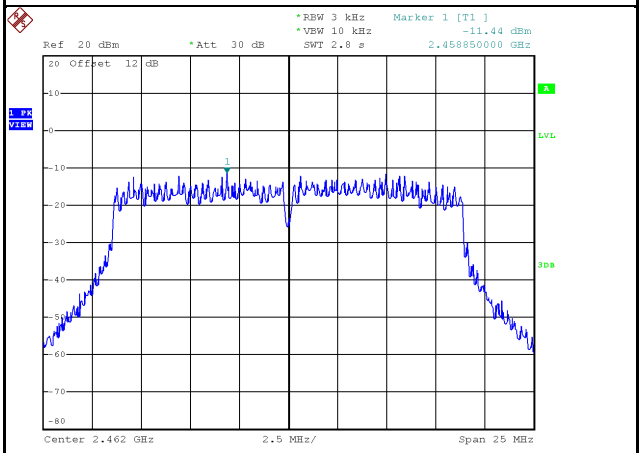
Date: 10.DEC.2019 16:20:01

2437 MHz



Date: 10.DEC.2019 16:29:01

2462 MHz



Date: 14.DEC.2019 11:13:55

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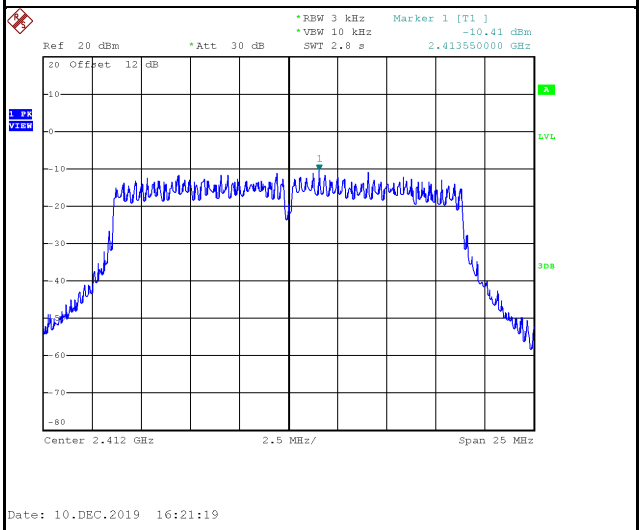
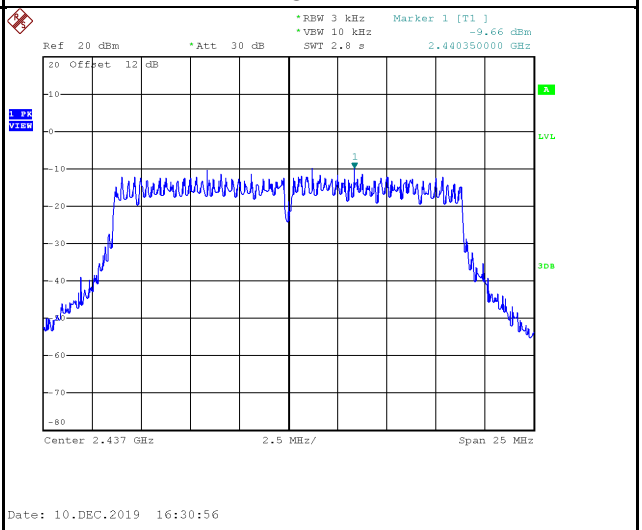
Test Mode	IEEE 802.11n (HT20)_ANT 4

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.41	4.52	Pass
2437	-9.66	4.52	Pass
2462	-11.40	4.52	Pass

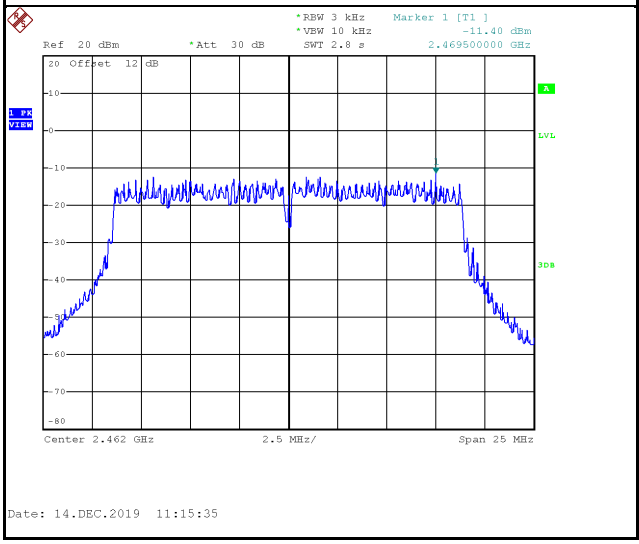
2412 MHz



2437 MHz



2462 MHz



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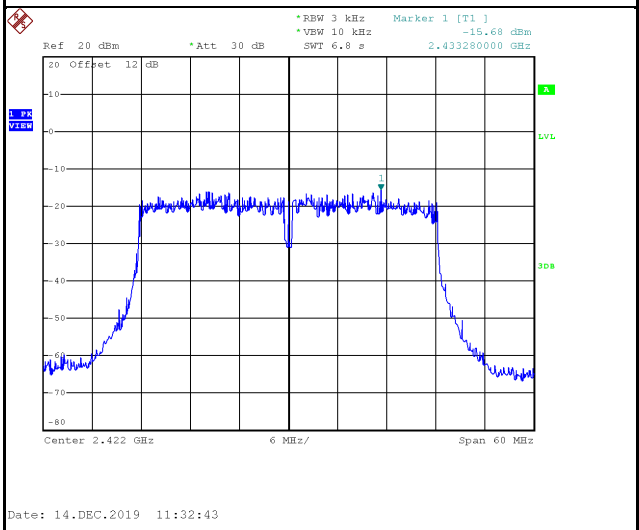
Test Mode	IEEE 802.11n (HT20)_Total

Test Frequency (MHz)	Calculated Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-4.47	4.52	Pass
2437	-4.59	4.52	Pass
2462	-5.25	4.52	Pass

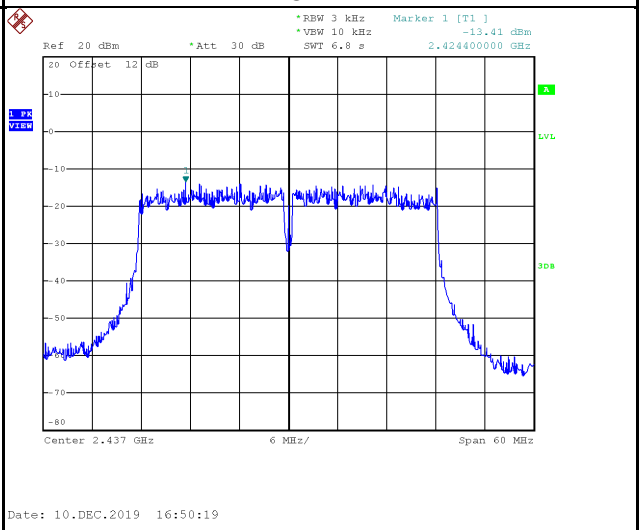
Test Mode	IEEE 802.11n (HT40)_ANT 1

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-15.68	4.52	Pass
2437	-13.41	4.52	Pass
2452	-16.23	4.52	Pass

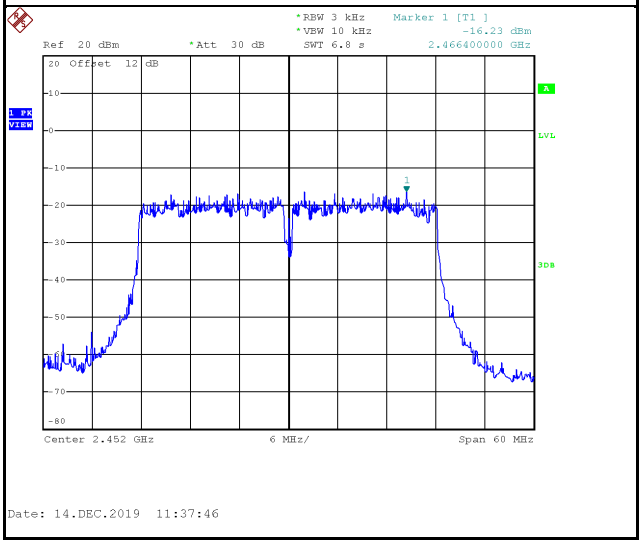
2422 MHz



2437 MHz



2452 MHz



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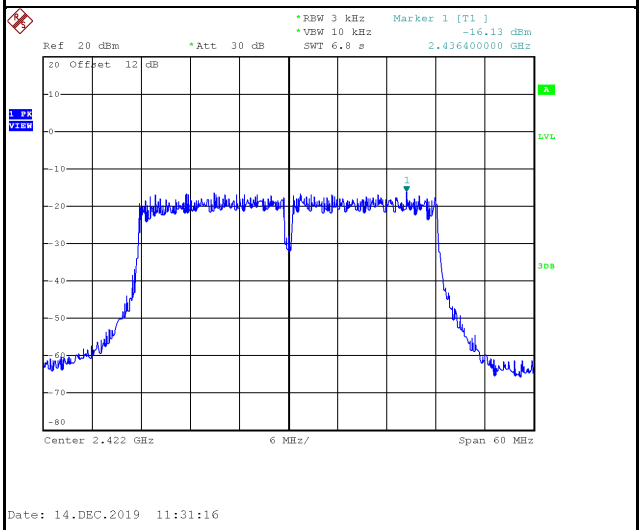
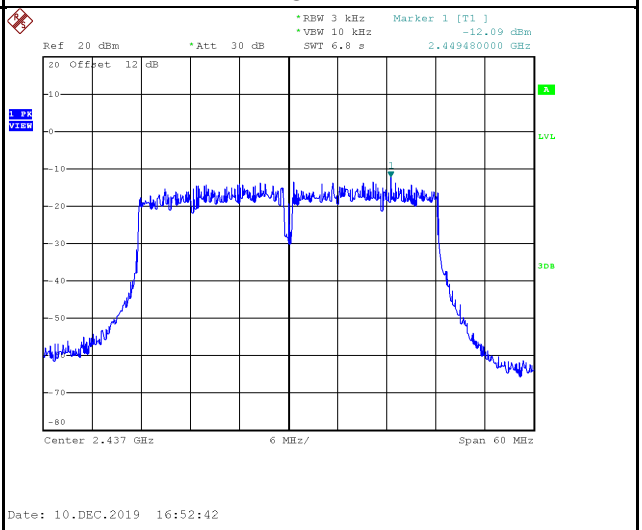
Test Mode	IEEE 802.11n (HT40)_ANT 2

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-16.13	4.52	Pass
2437	-12.09	4.52	Pass
2452	-15.85	4.52	Pass

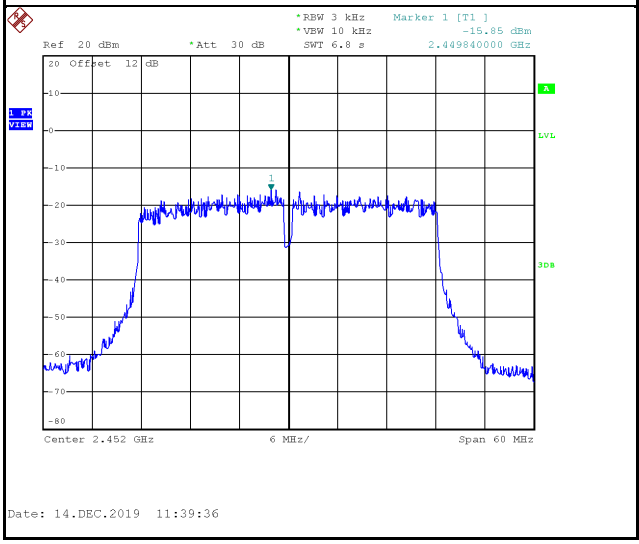
2422 MHz



2437 MHz



2452 MHz



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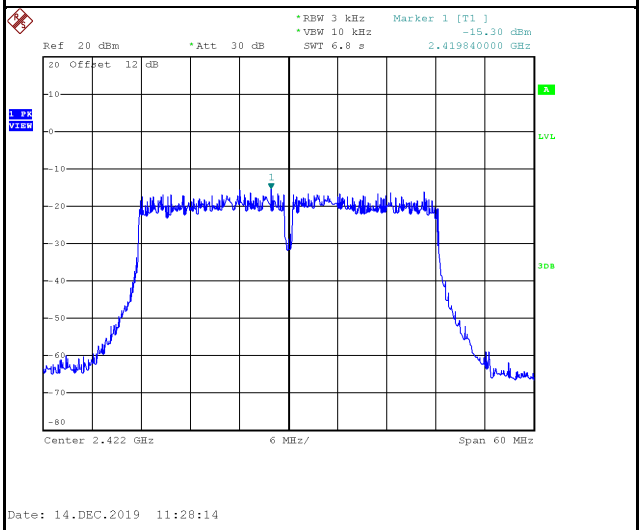
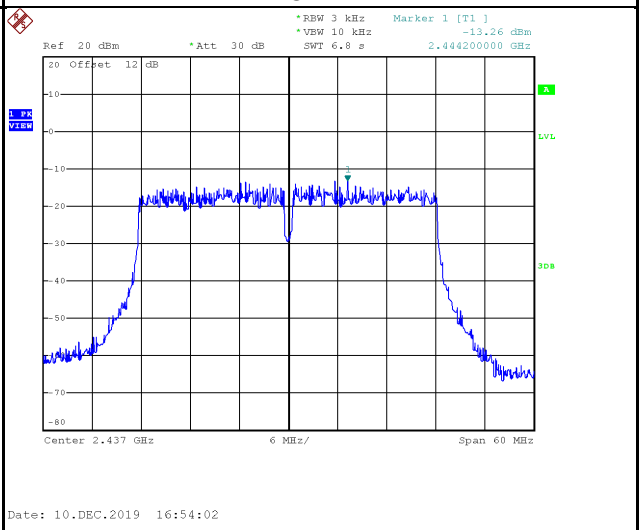
Test Mode	IEEE 802.11n (HT40)_ANT 3

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-15.30	4.52	Pass
2437	-13.26	4.52	Pass
2452	-15.39	4.52	Pass

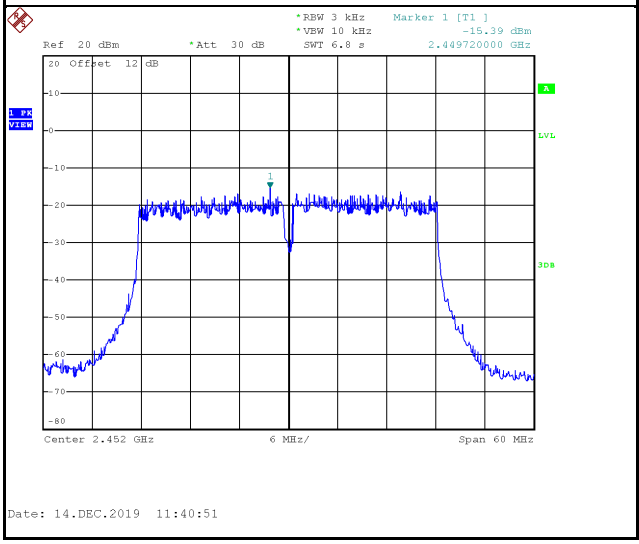
2422 MHz



2437 MHz



2452 MHz



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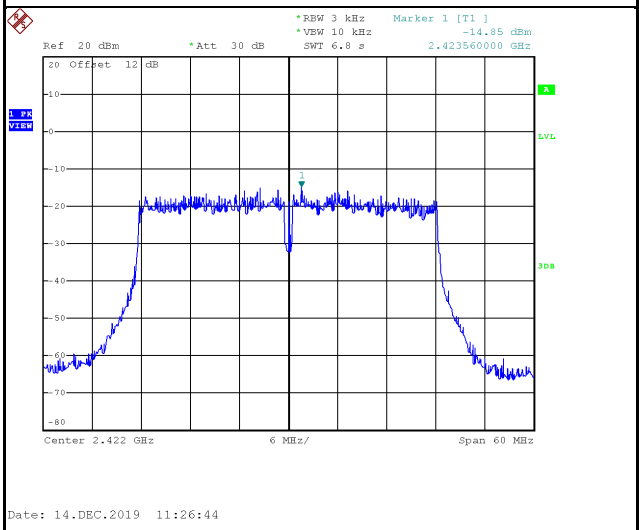
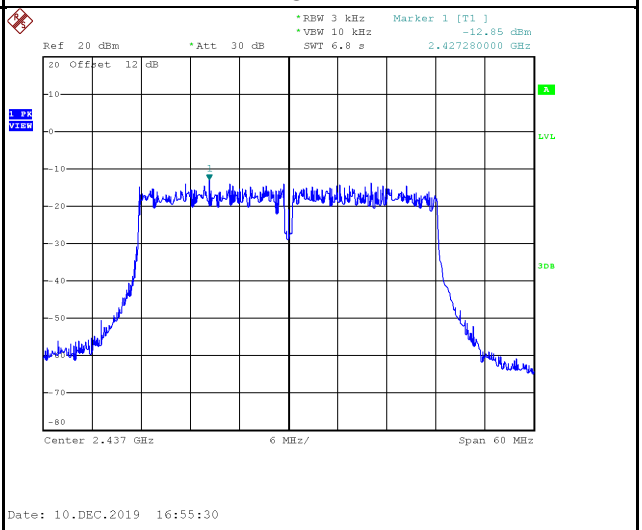
Test Mode	IEEE 802.11n (HT40)_ANT 4

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-14.85	4.52	Pass
2437	-12.85	4.52	Pass
2452	-16.07	4.52	Pass

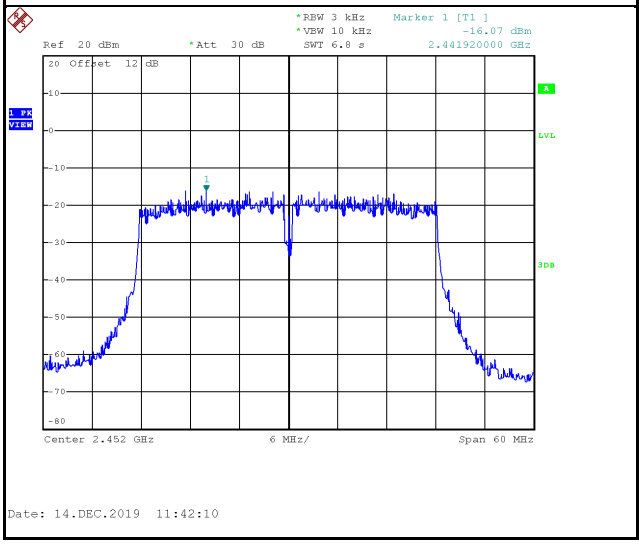
2422 MHz



2437 MHz



2452 MHz



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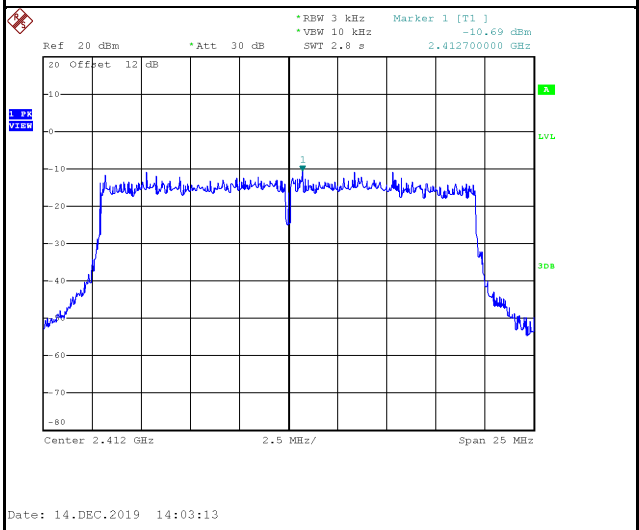
Test Mode	IEEE 802.11n (HT40)_Total

Test Frequency (MHz)	Calculated Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-9.44	4.52	Pass
2437	-6.85	4.52	Pass
2452	-9.85	4.52	Pass

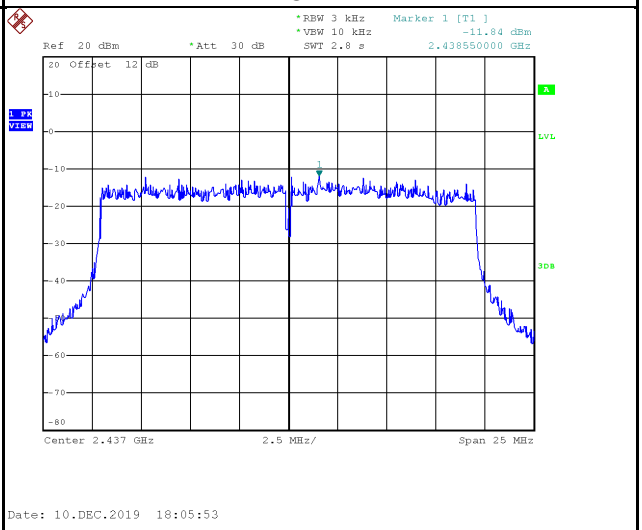
Test Mode	IEEE 802.11ax (HEW20)_ANT 1

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.69	4.52	Pass
2437	-11.84	4.52	Pass
2462	-12.89	4.52	Pass

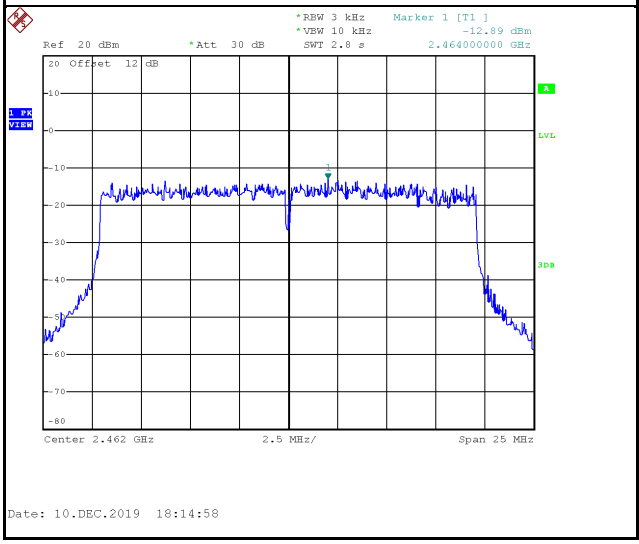
2412 MHz



2437 MHz



2462 MHz



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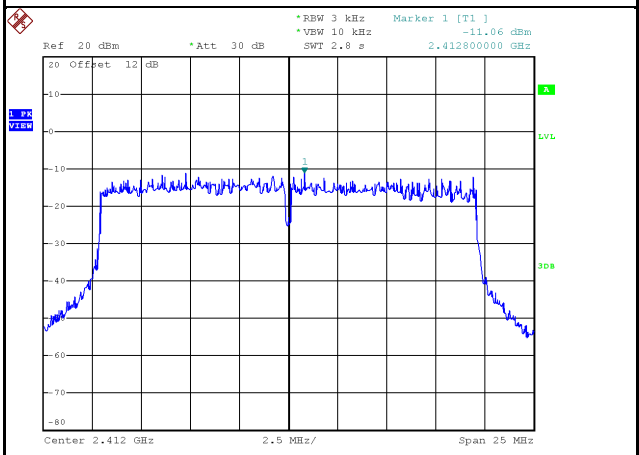
Test Mode	IEEE 802.11ax (HEW20)_ANT 2

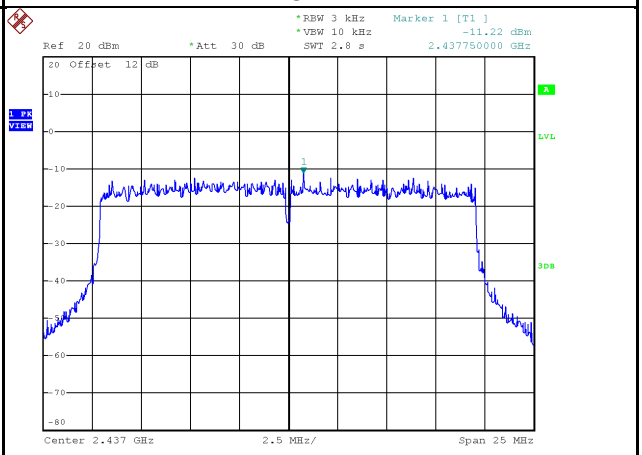
Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-11.06	4.52	Pass
2437	-11.22	4.52	Pass
2462	-12.37	4.52	Pass

2412 MHz



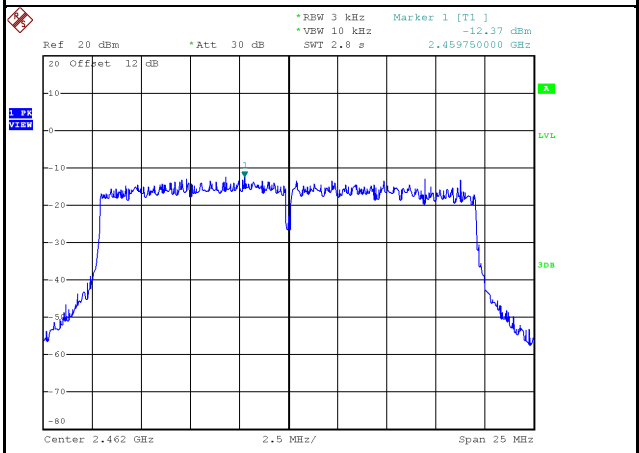
Date: 14.DEC.2019 14:02:07

2437 MHz



Date: 10.DEC.2019 18:07:15

2462 MHz



Date: 10.DEC.2019 18:16:27

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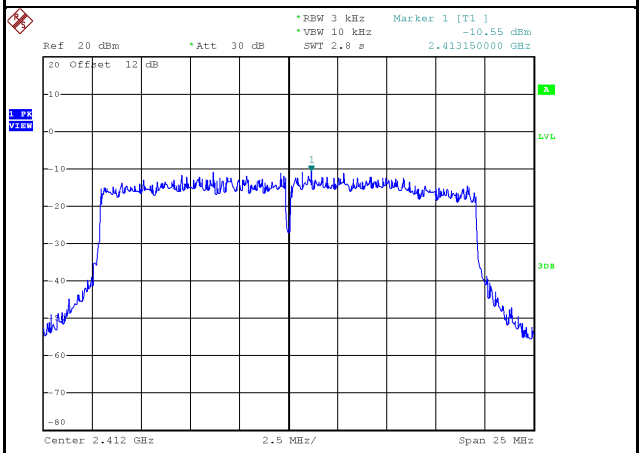
Test Mode	IEEE 802.11ax (HEW20)_ANT 3

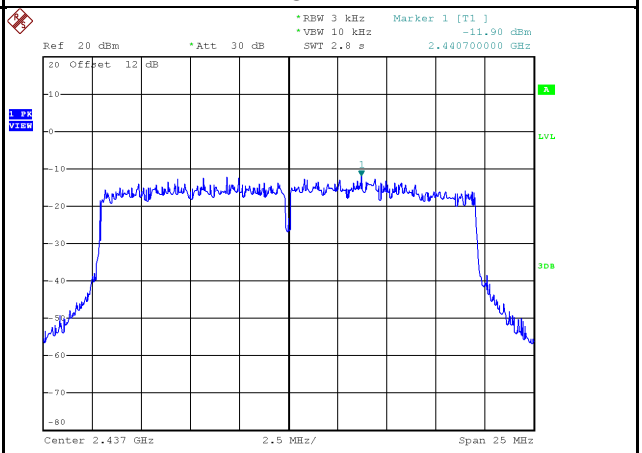
Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.55	4.52	Pass
2437	-11.90	4.52	Pass
2462	-11.89	4.52	Pass

2412 MHz



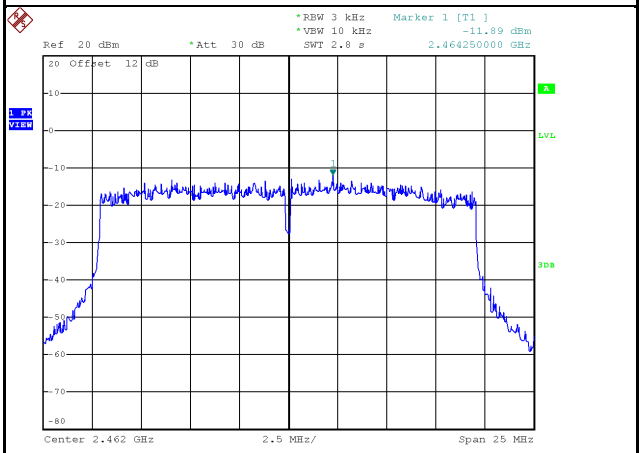
Date: 14.DEC.2019 13:59:50

2437 MHz



Date: 10.DEC.2019 18:08:33

2462 MHz



Date: 10.DEC.2019 18:17:43

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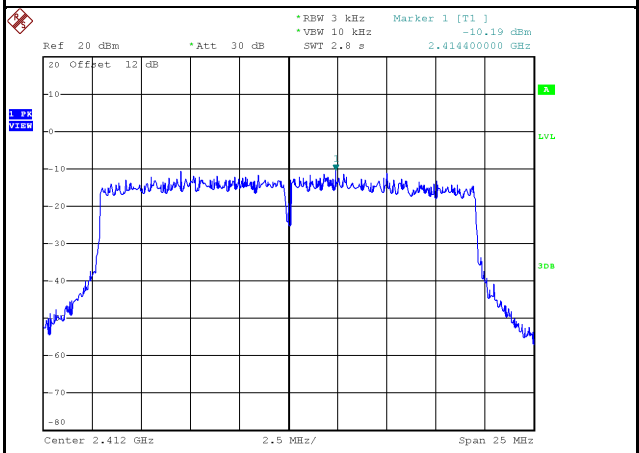
Test Mode	IEEE 802.11ax (HEW20)_ANT 4

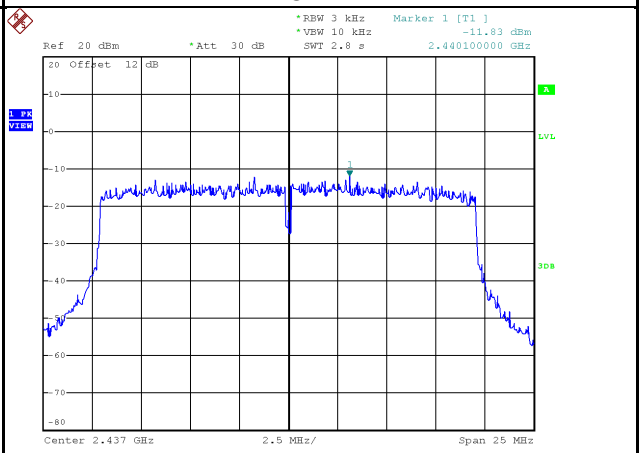
Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.19	4.52	Pass
2437	-11.83	4.52	Pass
2462	-12.54	4.52	Pass

2412 MHz



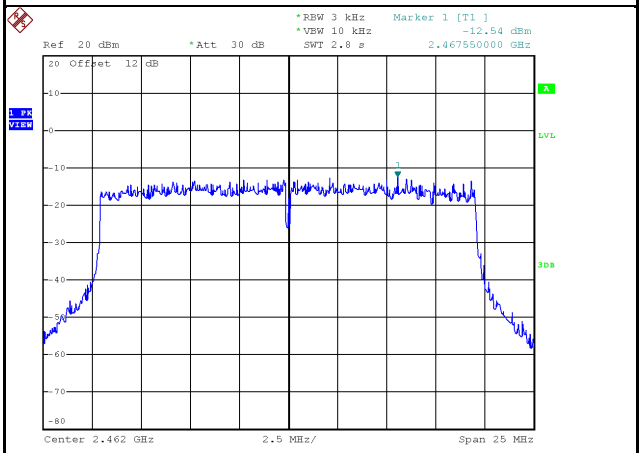
Date: 14.DEC.2019 13:58:35

2437 MHz



Date: 10.DEC.2019 18:09:38

2462 MHz



Date: 10.DEC.2019 18:18:53

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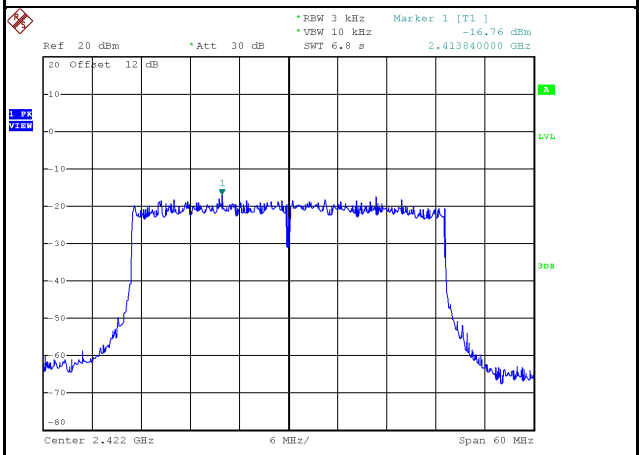
Test Mode	IEEE 802.11ax (HEW20)_Total

Test Frequency (MHz)	Calculated Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-4.59	4.52	Pass
2437	-5.67	4.52	Pass
2462	-6.39	4.52	Pass

Test Mode	IEEE 802.11ax (HEW40)_ANT 1

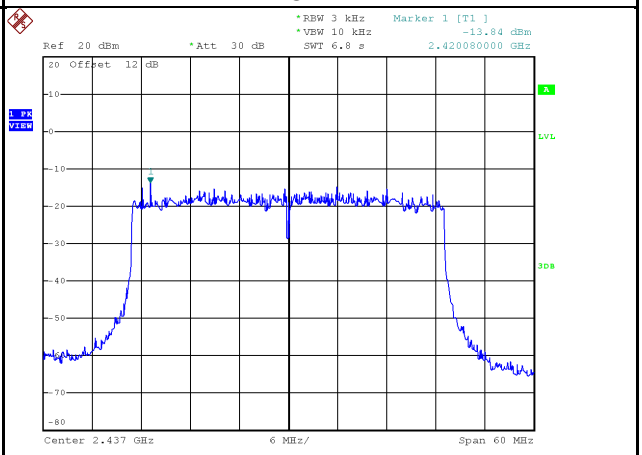
Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-16.76	4.52	Pass
2437	-13.84	4.52	Pass
2452	-17.40	4.52	Pass

2422 MHz



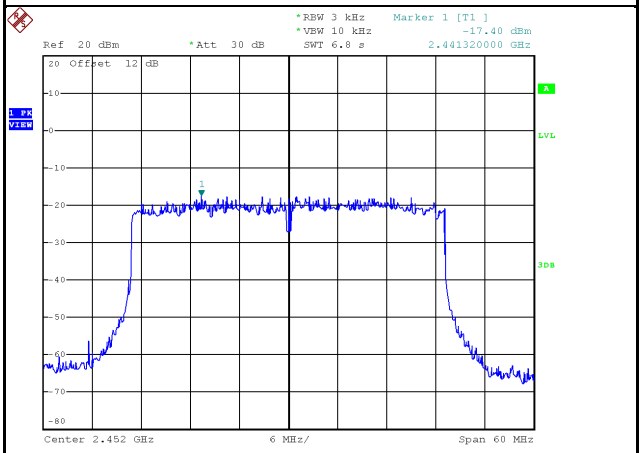
Date: 14.DEC.2019 14:07:01

2437 MHz



Date: 10.DEC.2019 18:28:33

2452 MHz



Date: 14.DEC.2019 14:28:04

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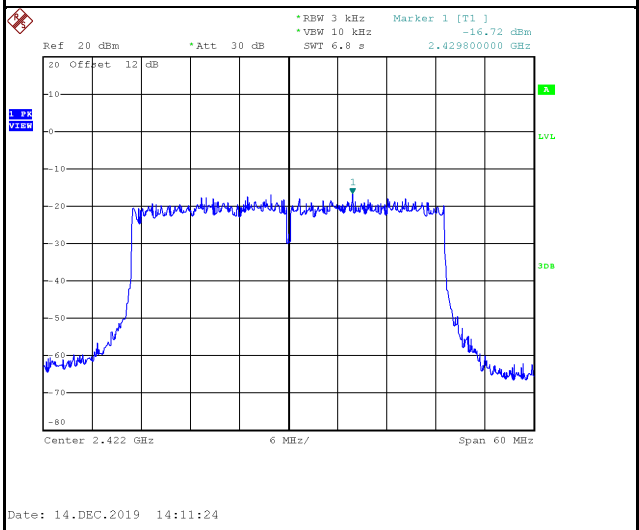
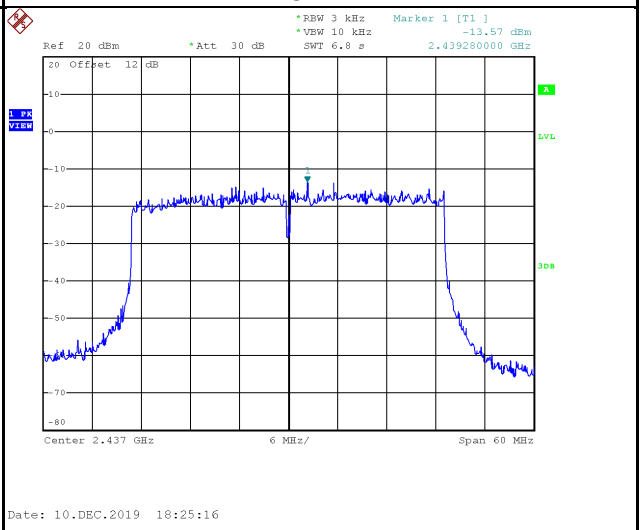
Test Mode	IEEE 802.11ax (HEW40)_ANT 2

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-16.72	4.52	Pass
2437	-13.57	4.52	Pass
2452	-16.59	4.52	Pass

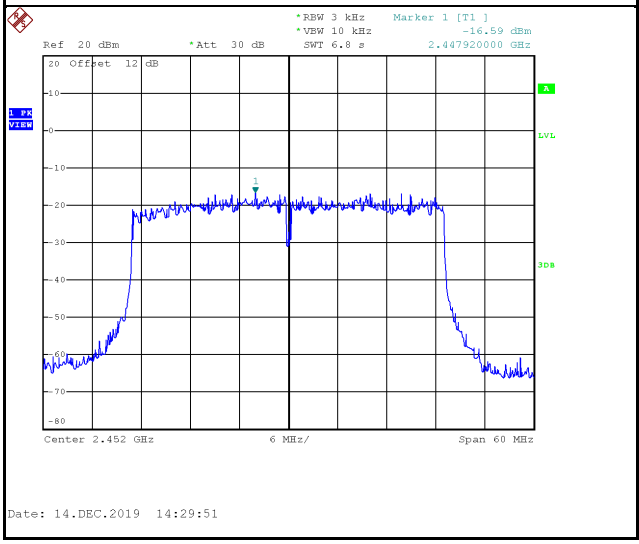
2422 MHz



2437 MHz



2452 MHz



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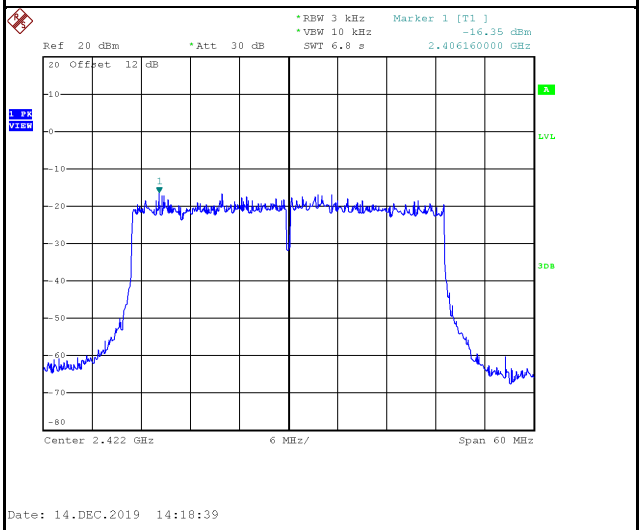
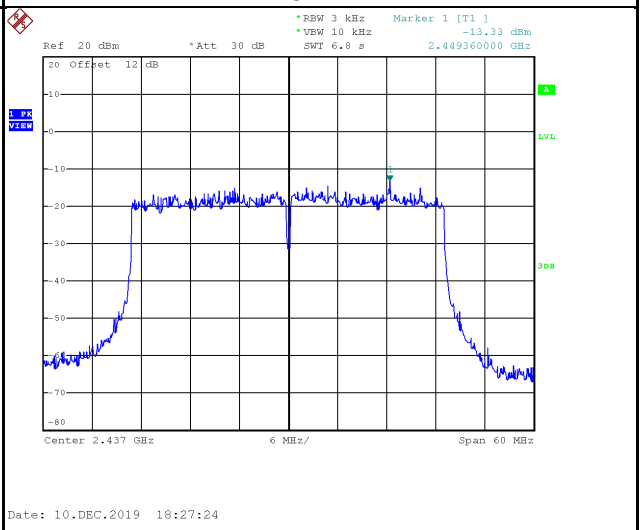
Test Mode	IEEE 802.11ax (HEW40)_ANT 3

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-16.35	4.52	Pass
2437	-13.33	4.52	Pass
2452	-16.74	4.52	Pass

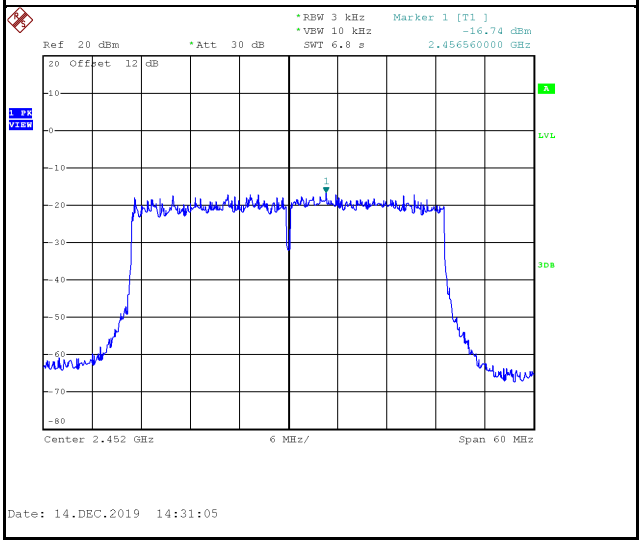
2422 MHz



2437 MHz



2452 MHz



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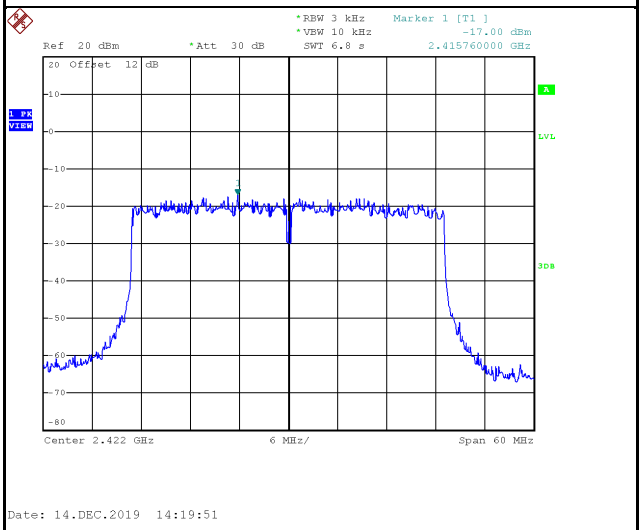
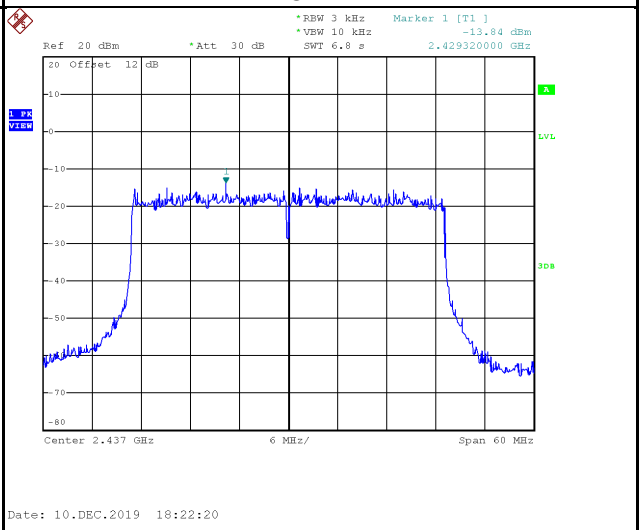
Test Mode	IEEE 802.11ax (HEW40)_ANT 4

Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-17.00	4.52	Pass
2437	-13.84	4.52	Pass
2452	-15.98	4.52	Pass

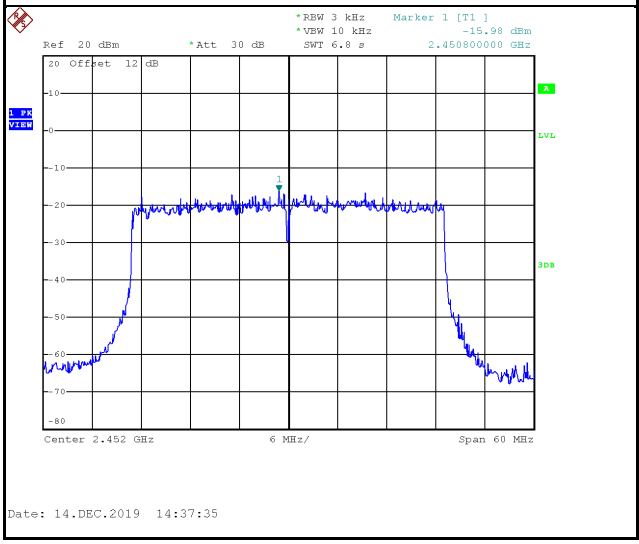
2422 MHz



2437 MHz



2452 MHz



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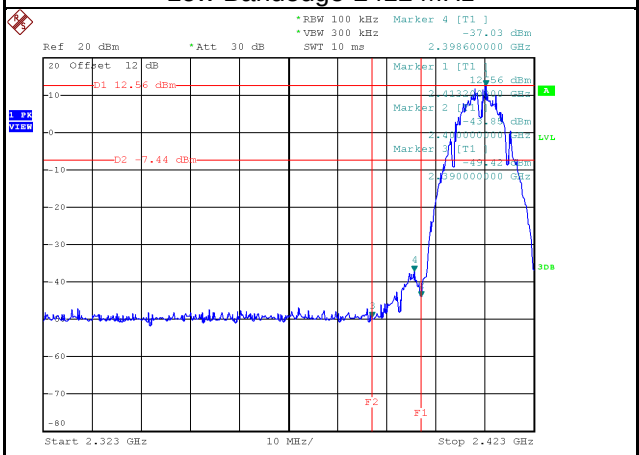
Test Mode	IEEE 802.11ax (HEW40)_Total

Test Frequency (MHz)	Calculated Maximum Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-10.68	4.52	Pass
2437	-7.62	4.52	Pass
2452	-10.63	4.52	Pass

APPENDIX G ANTENNA CONDUCTED SPURIOUS EMISSIONS

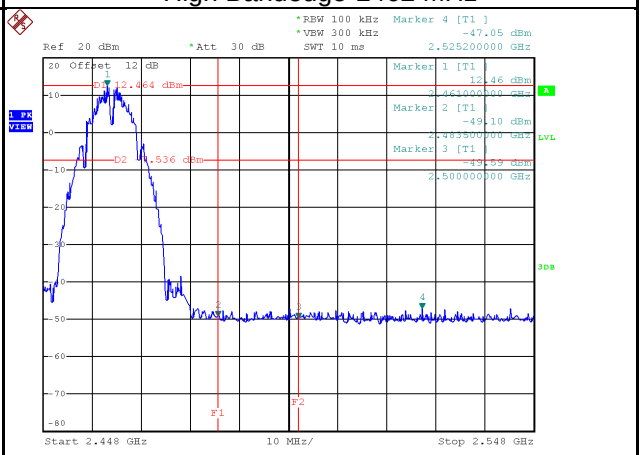
Test Mode	IEEE 802.11b_ANT 1

Low Bandedge-2412 MHz



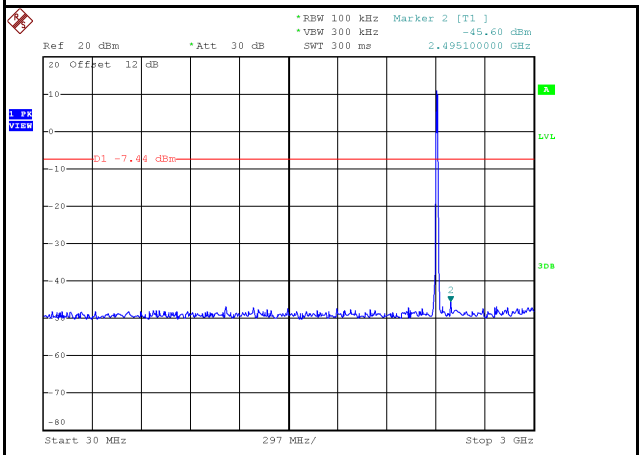
Date: 10.DEC.2019 15:04:30

High Bandedge-2462 MHz

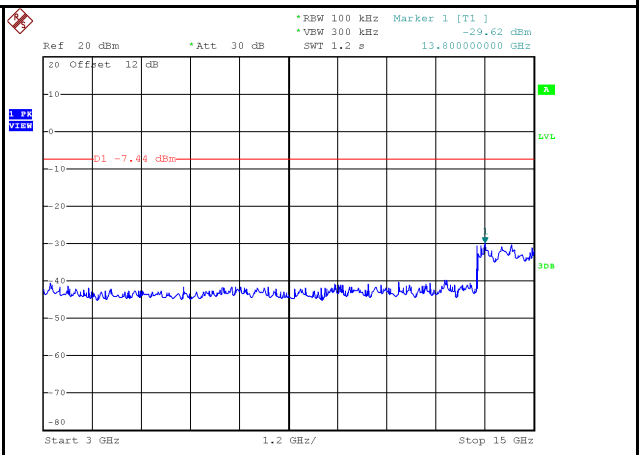


Date: 10.DEC.2019 15:49:34

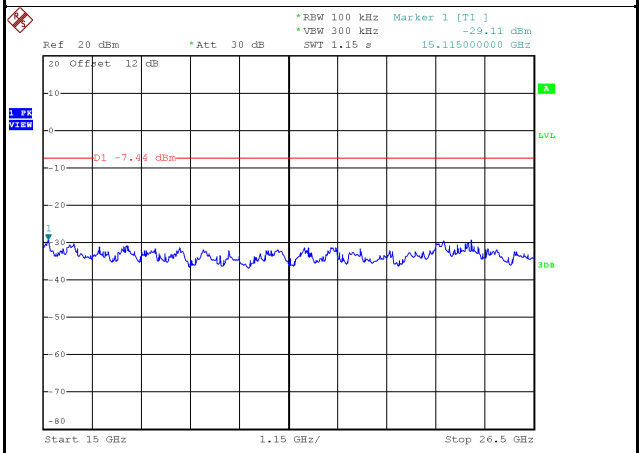
2412 MHz-10th Harmonics



Date: 10.DEC.2019 15:04:43



Date: 10.DEC.2019 15:04:49



Date: 10.DEC.2019 15:04:56

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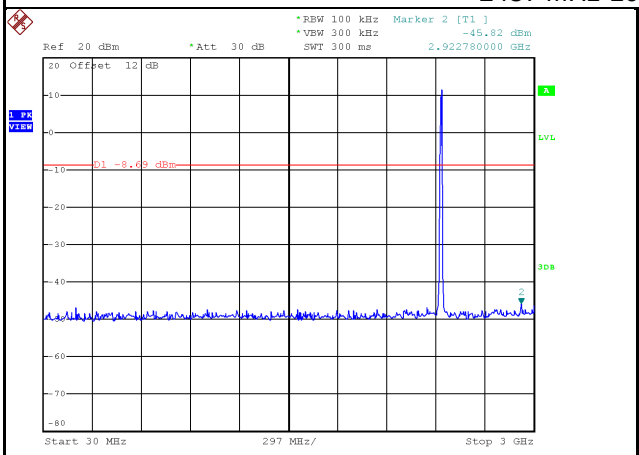
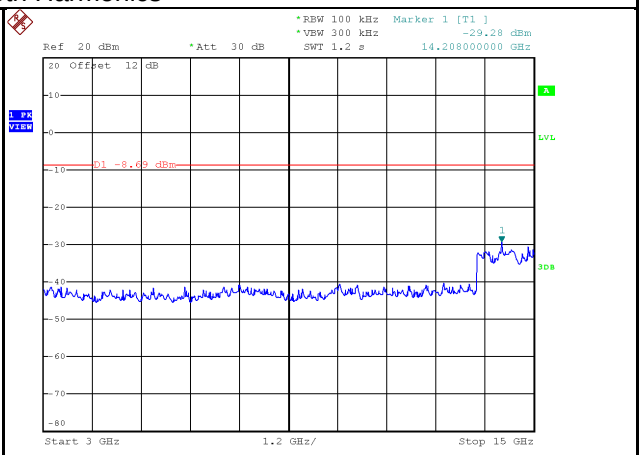
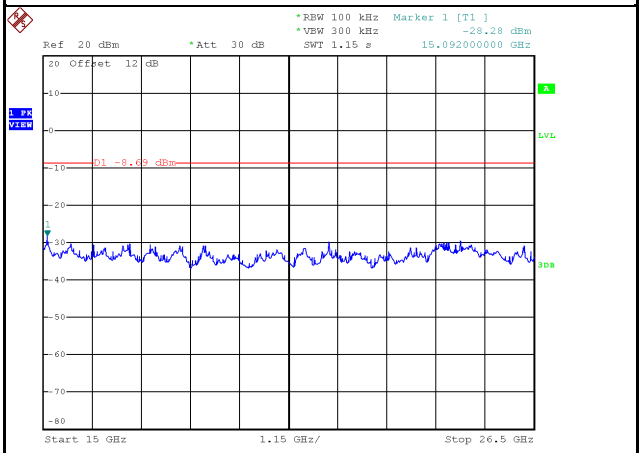
2437 MHz-10th Harmonics



Date: 10.DEC.2019 15:24:49

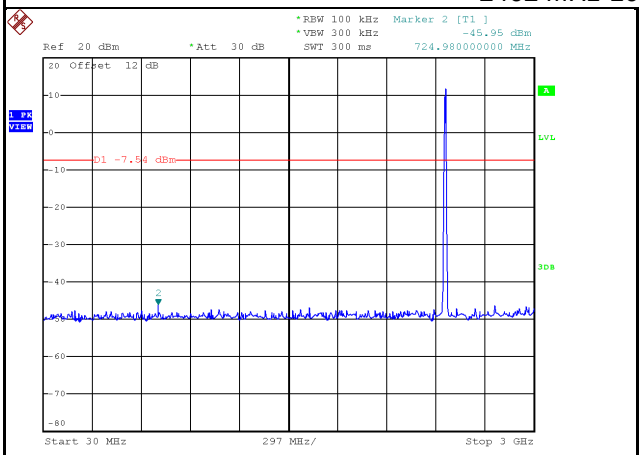


Date: 10.DEC.2019 15:24:56

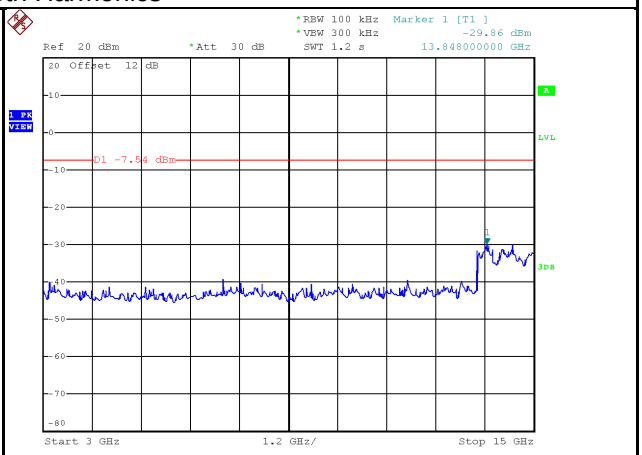


Date: 10.DEC.2019 15:25:02

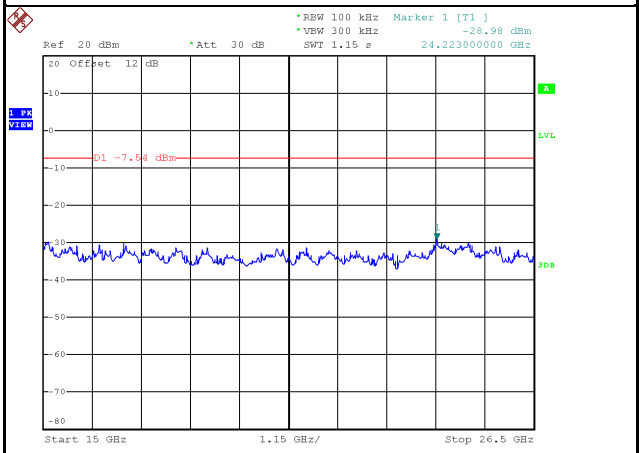
2462 MHz-10th Harmonics



Date: 10.DEC.2019 15:49:46



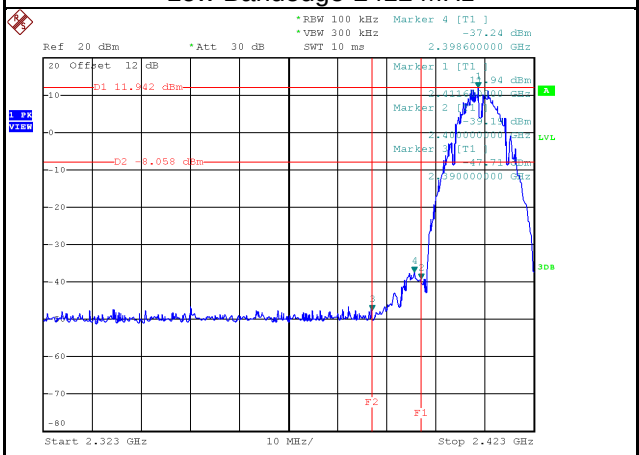
Date: 10.DEC.2019 15:49:53



Date: 10.DEC.2019 15:50:00

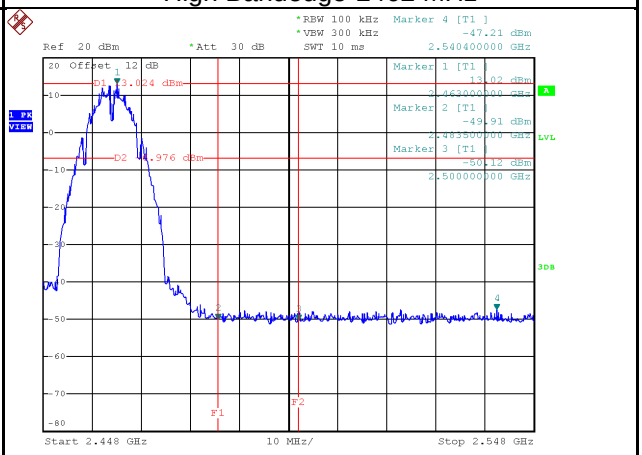
Test Mode	IEEE 802.11b_ANT 2

Low Bandedge-2412 MHz



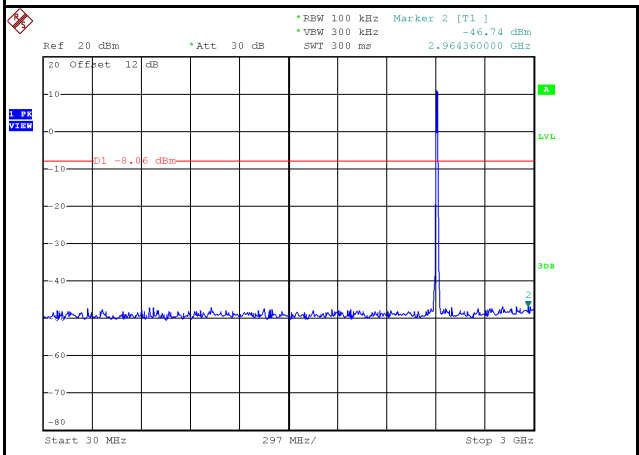
Date: 10.DEC.2019 15:06:19

High Bandedge-2462 MHz

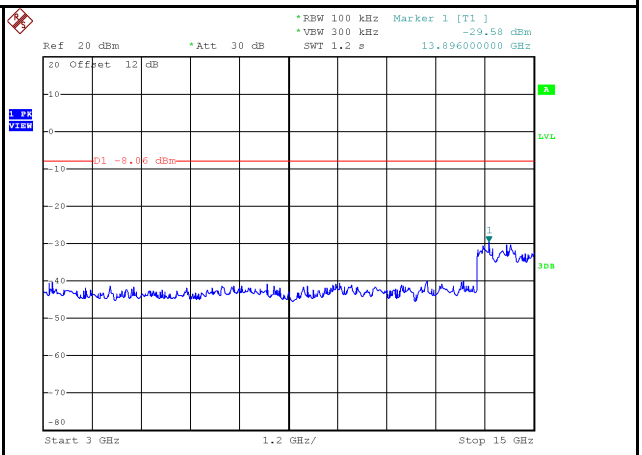


Date: 10.DEC.2019 15:47:46

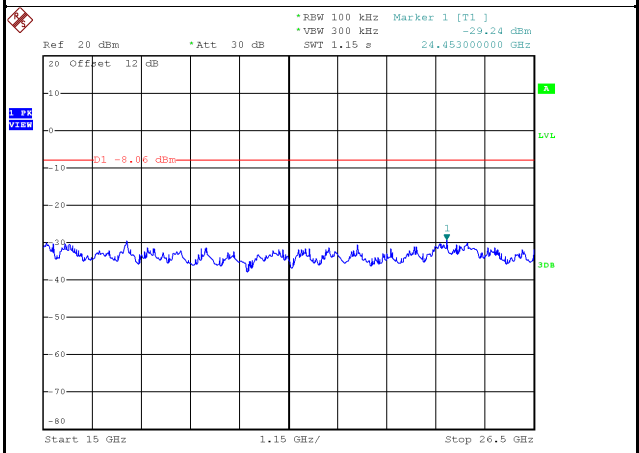
2412 MHz-10th Harmonics



Date: 10.DEC.2019 15:06:32



Date: 10.DEC.2019 15:06:38



Date: 10.DEC.2019 15:06:45

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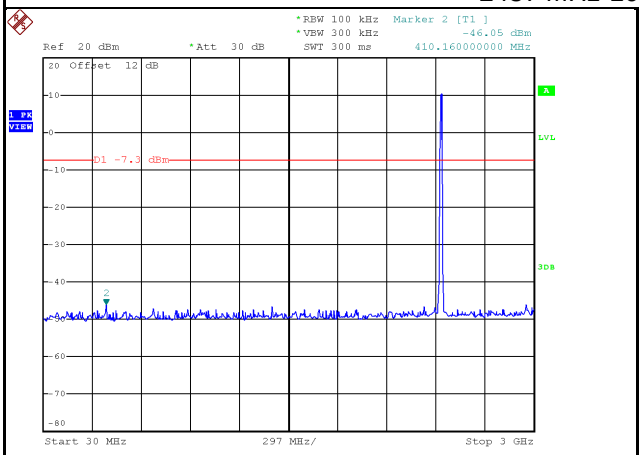
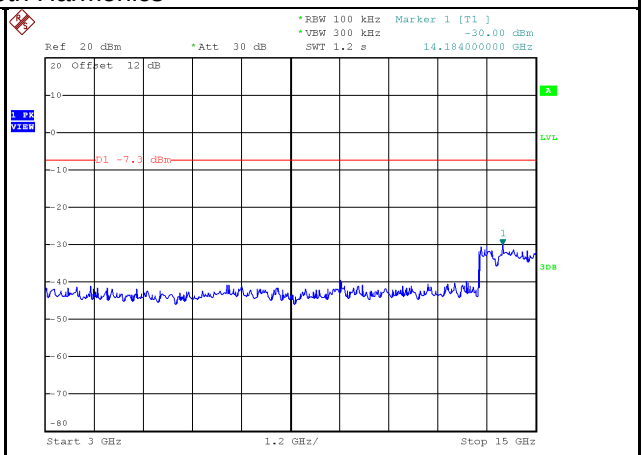
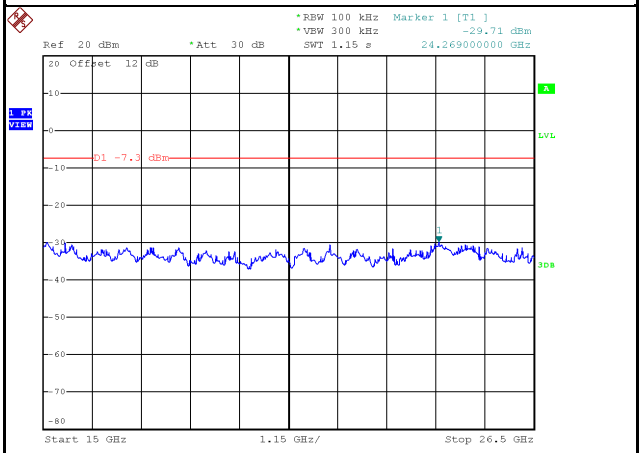
2437 MHz-10th Harmonics



Date: 10.DEC.2019 15:26:47

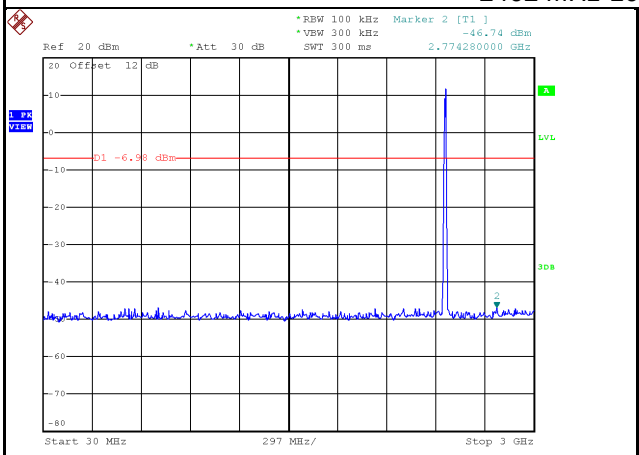


Date: 10.DEC.2019 15:26:54

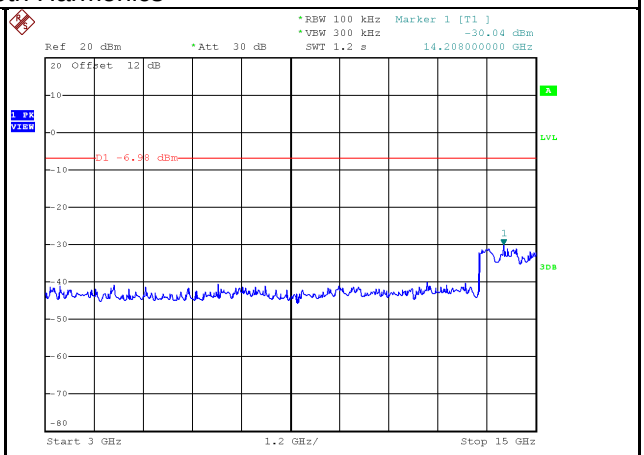


Date: 10.DEC.2019 15:27:01

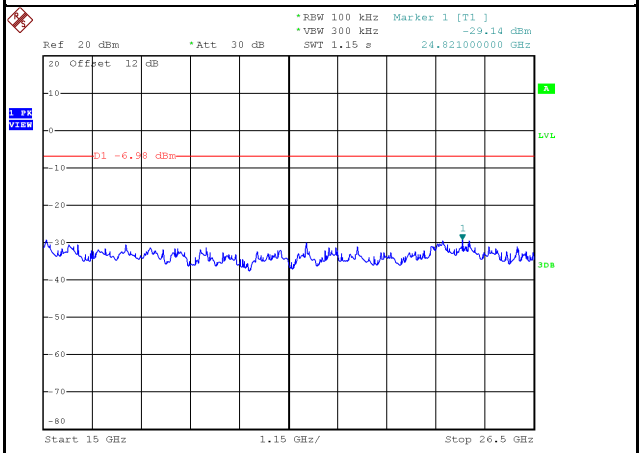
2462 MHz-10th Harmonics



Date: 10.DEC.2019 15:47:58



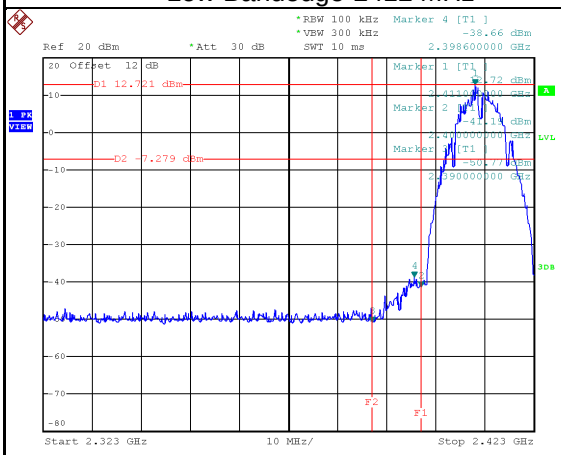
Date: 10.DEC.2019 15:48:05



Date: 10.DEC.2019 15:48:12

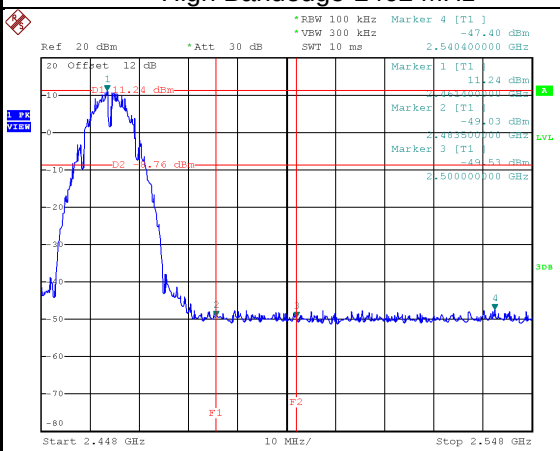
Test Mode	IEEE 802.11b_ANT 3

Low Bandedge-2412 MHz



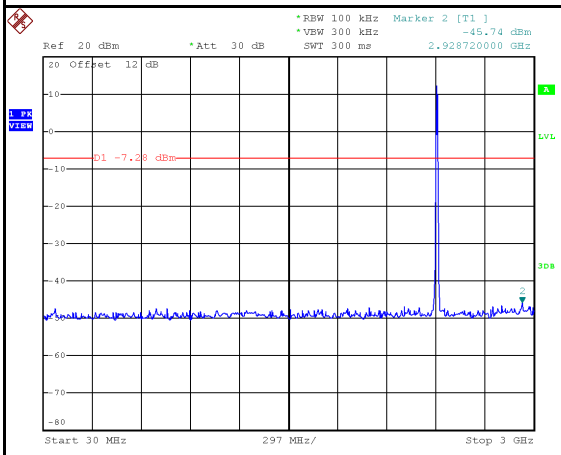
Date: 10.DEC.2019 15:08:10

High Bandedge-2462 MHz

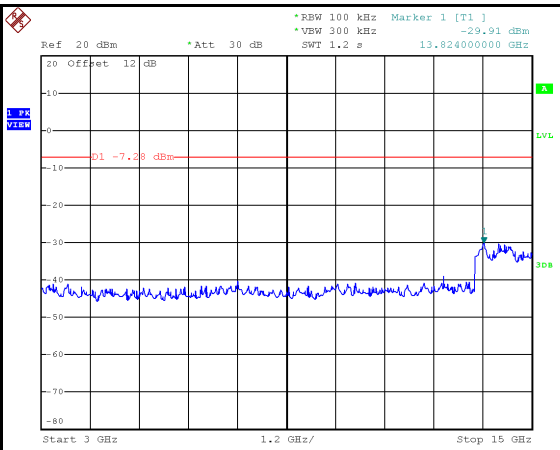


Date: 10.DEC.2019 15:44:22

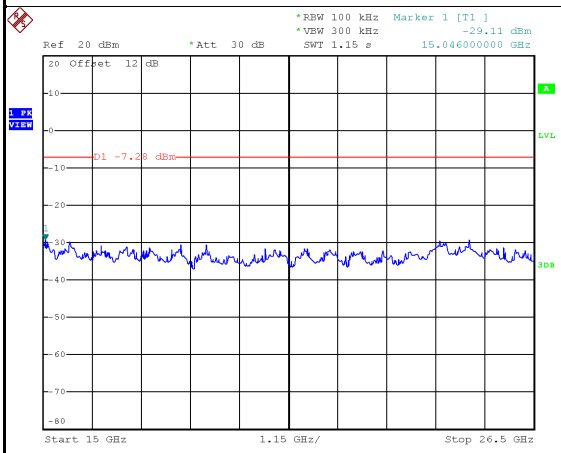
2412 MHz-10th Harmonics



Date: 10.DEC.2019 15:08:22



Date: 10.DEC.2019 15:08:29



Date: 10.DEC.2019 15:08:35

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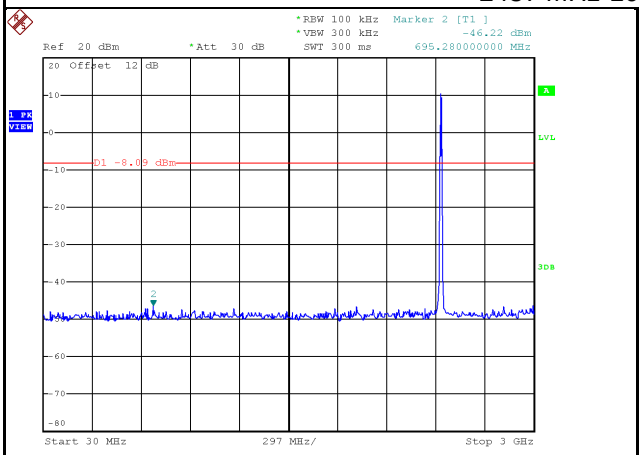
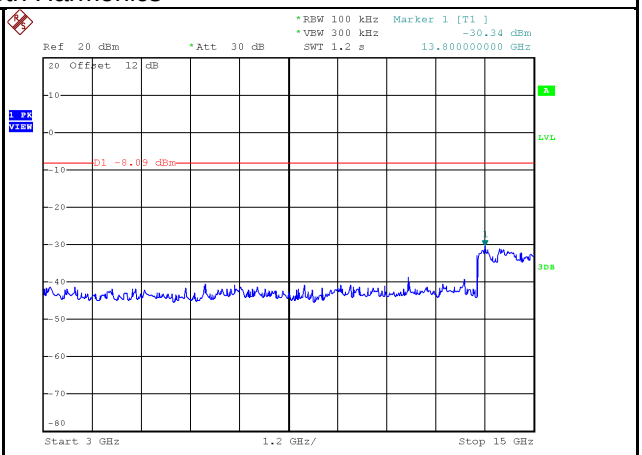
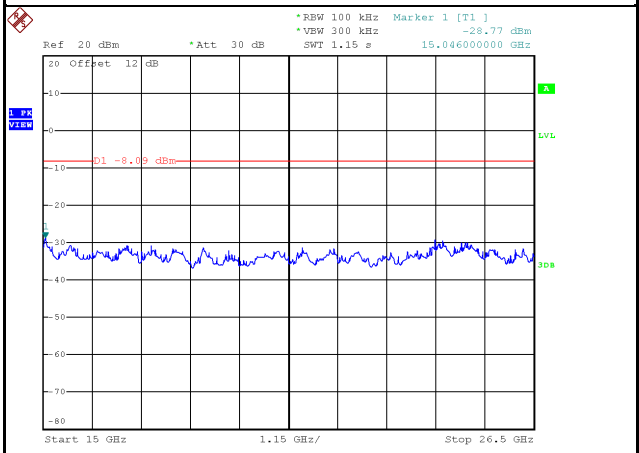
2437 MHz-10th Harmonics



Date: 10.DEC.2019 15:28:38

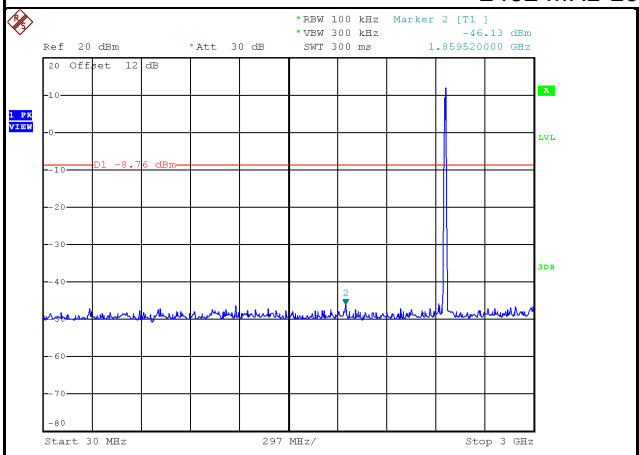


Date: 10.DEC.2019 15:28:45

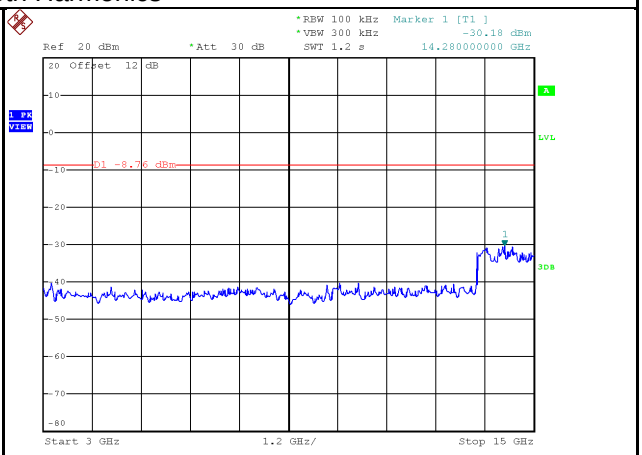


Date: 10.DEC.2019 15:28:51

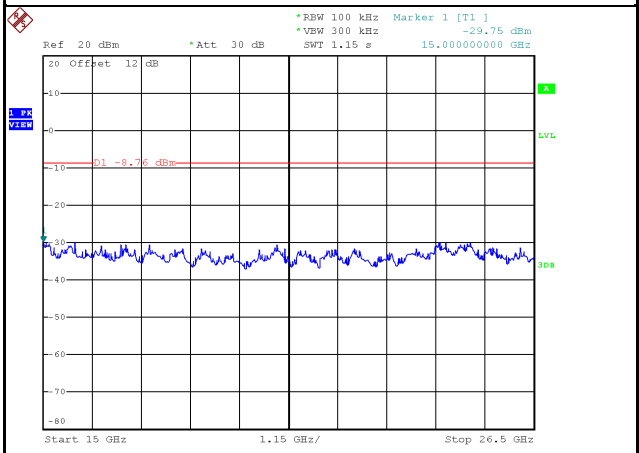
2462 MHz-10th Harmonics



Date: 10.DEC.2019 15:44:35



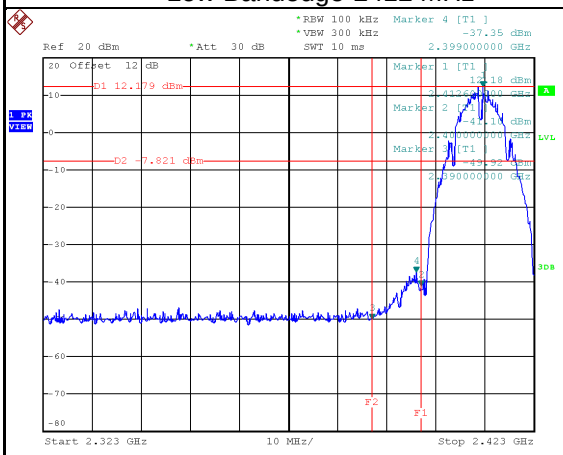
Date: 10.DEC.2019 15:44:42



Date: 10.DEC.2019 15:44:48

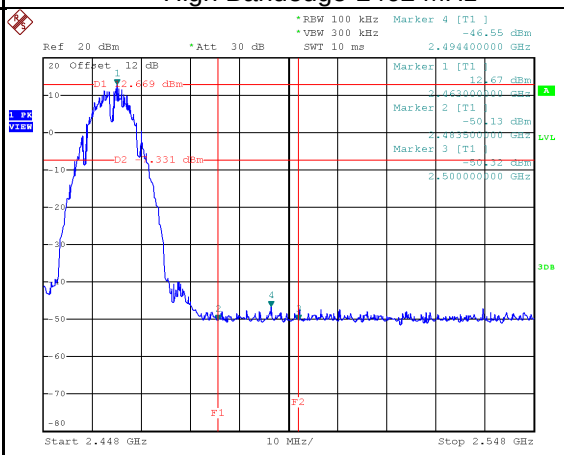
Test Mode	IEEE 802.11b_ANT 4

Low Bandedge-2412 MHz



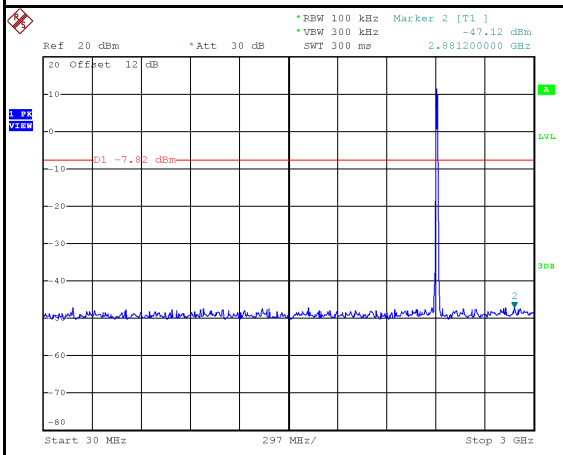
Date: 10.DEC.2019 15:09:49

High Bandedge-2462 MHz

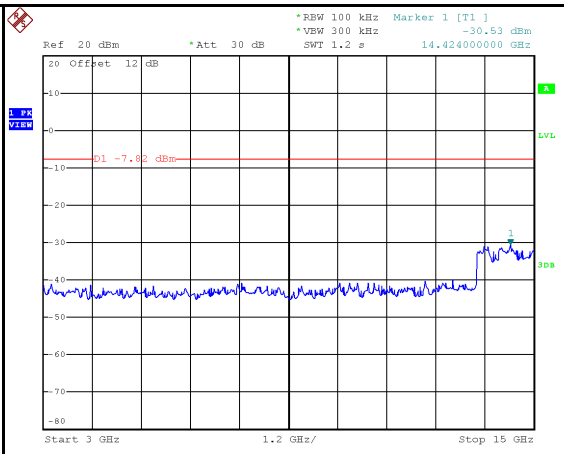


Date: 10.DEC.2019 15:42:09

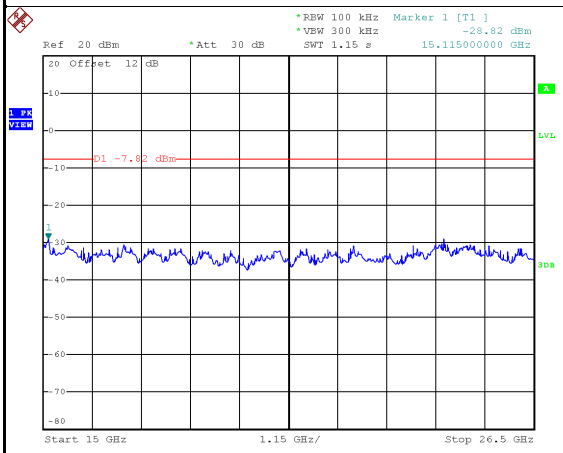
2412 MHz-10th Harmonics



Date: 10.DEC.2019 15:10:01



Date: 10.DEC.2019 15:10:08



Date: 10.DEC.2019 15:10:15

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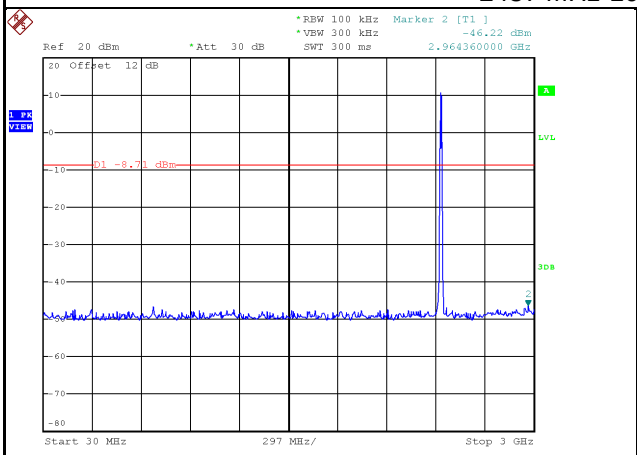
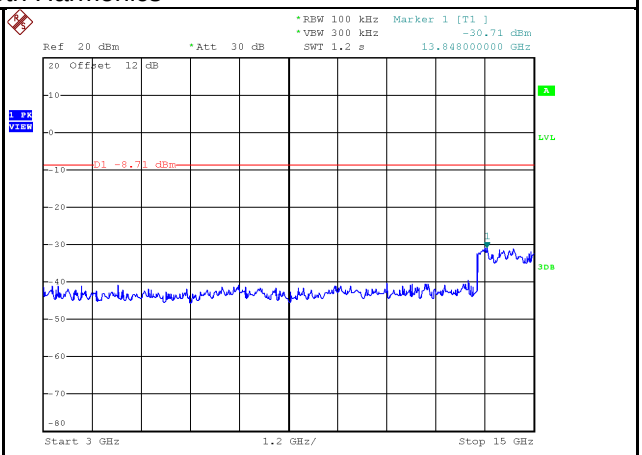
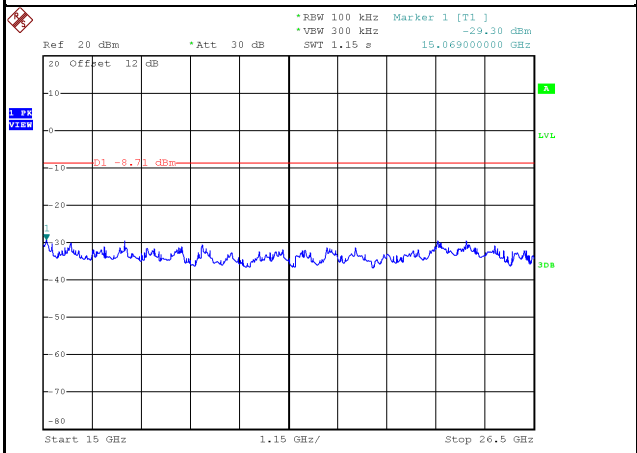
2437 MHz-10th Harmonics



Date: 10.DEC.2019 15:30:19

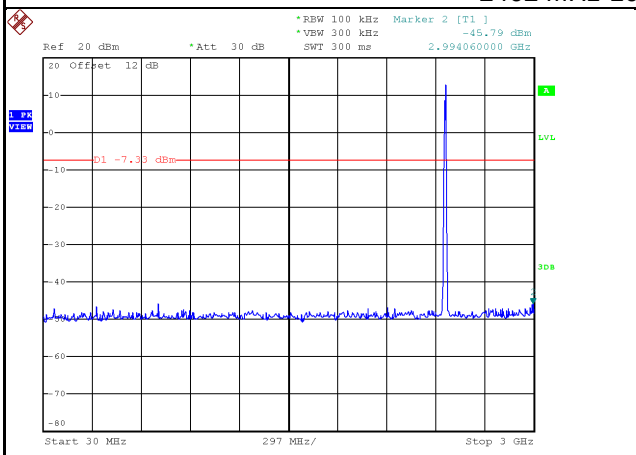


Date: 10.DEC.2019 15:30:26

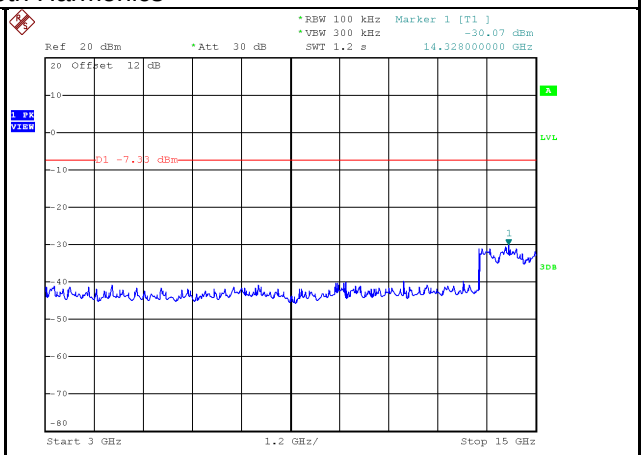


Date: 10.DEC.2019 15:30:32

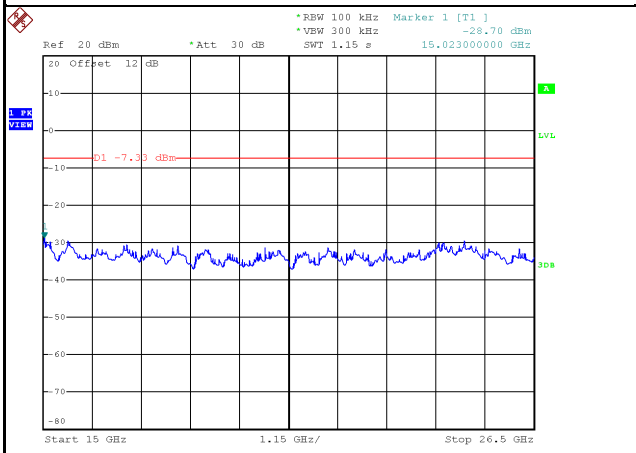
2462 MHz-10th Harmonics



Date: 10.DEC.2019 15:42:21



Date: 10.DEC.2019 15:42:28



Date: 10.DEC.2019 15:42:34

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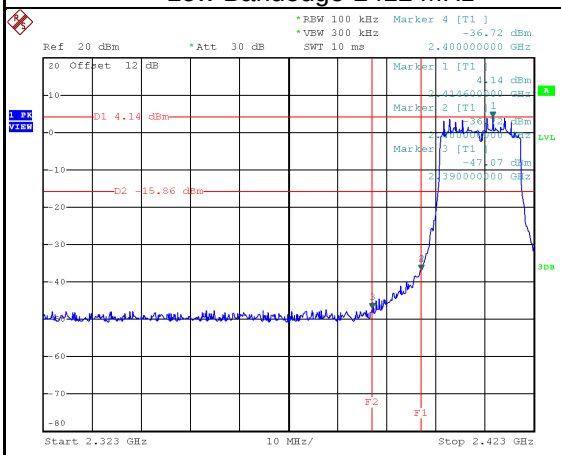
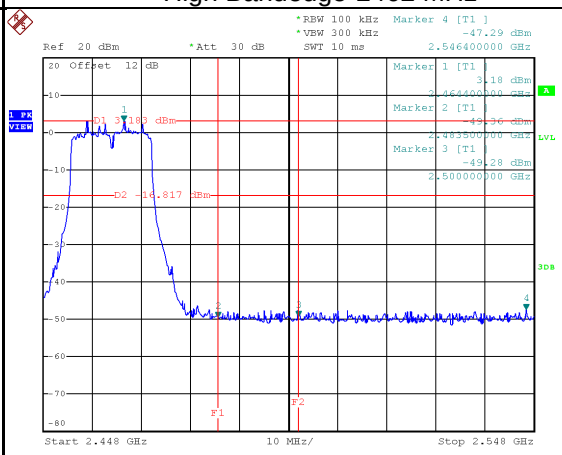
Test Mode	IEEE 802.11g_ANT 1

Low Bandedge-2412 MHz



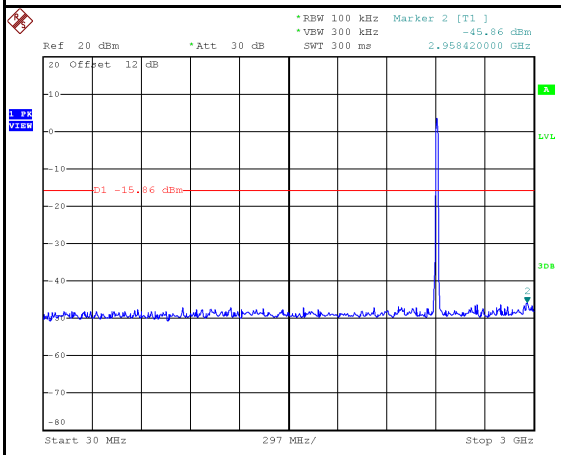
Date: 14.DEC.2019 10:57:32

High Bandedge-2462 MHz

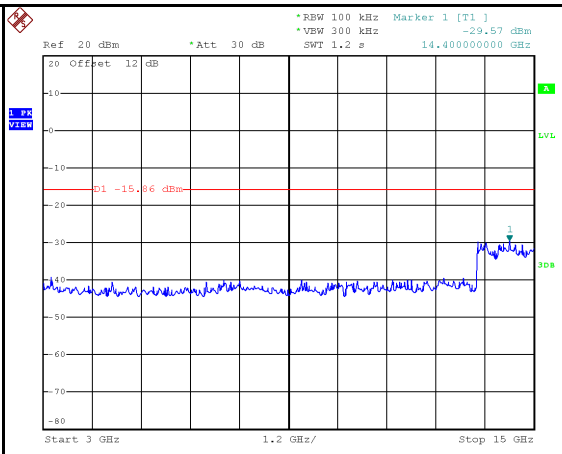


Date: 10.DEC.2019 16:11:51

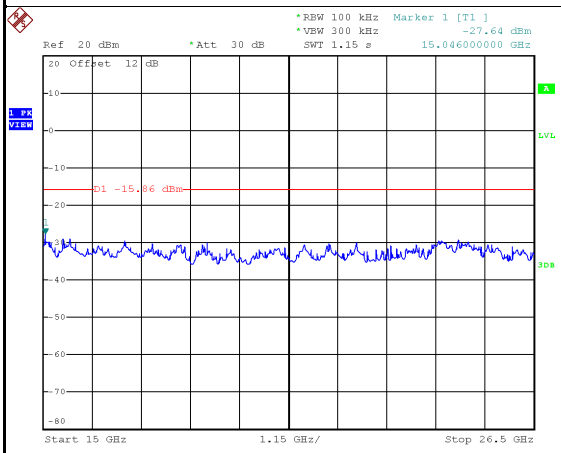
2412 MHz-10th Harmonics



Date: 14.DEC.2019 10:57:44



Date: 14.DEC.2019 10:57:51



Date: 14.DEC.2019 10:57:58

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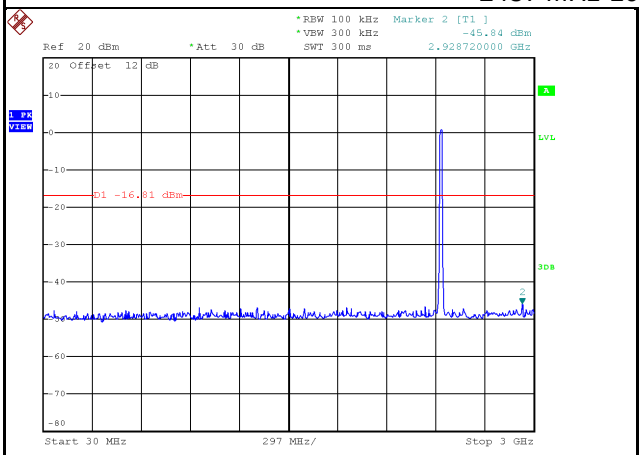
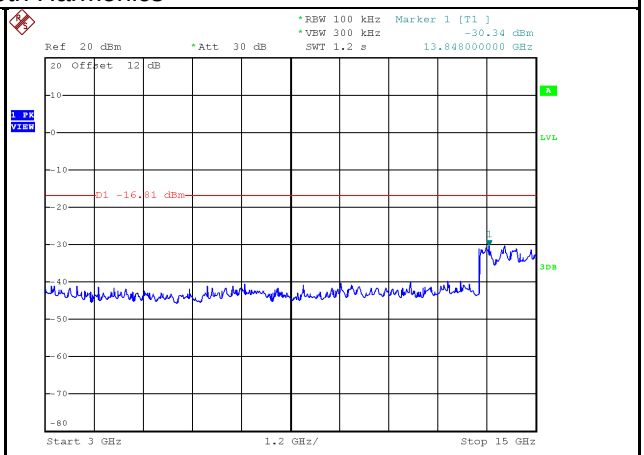
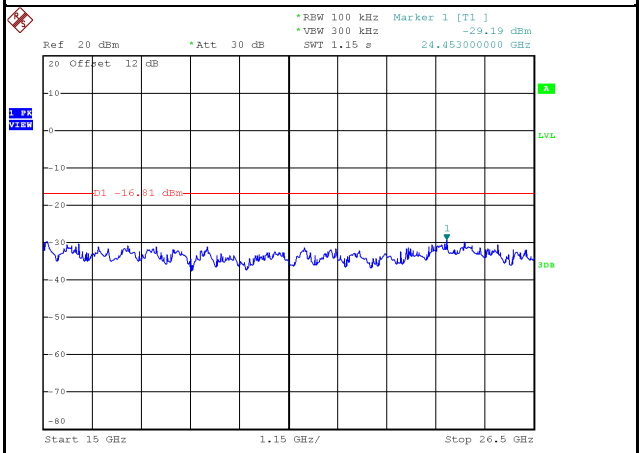
2437 MHz-10th Harmonics



Date: 10.DEC.2019 15:56:54

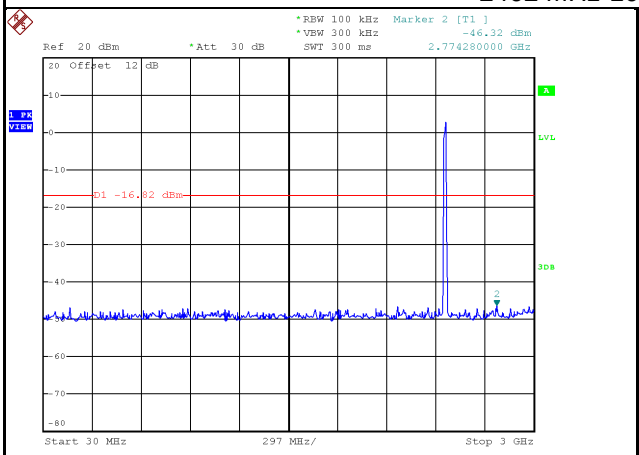


Date: 10.DEC.2019 15:57:01

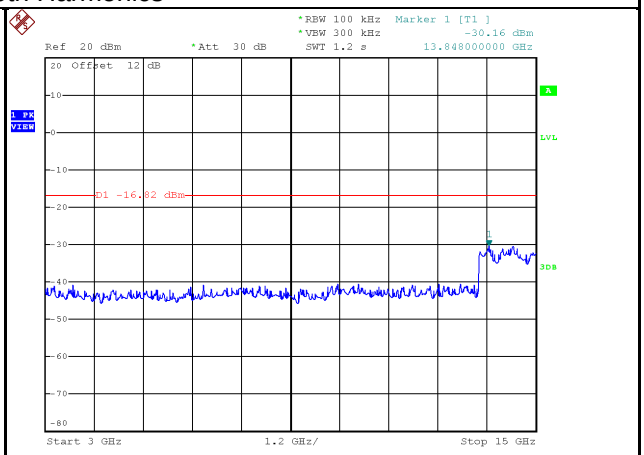


Date: 10.DEC.2019 15:57:08

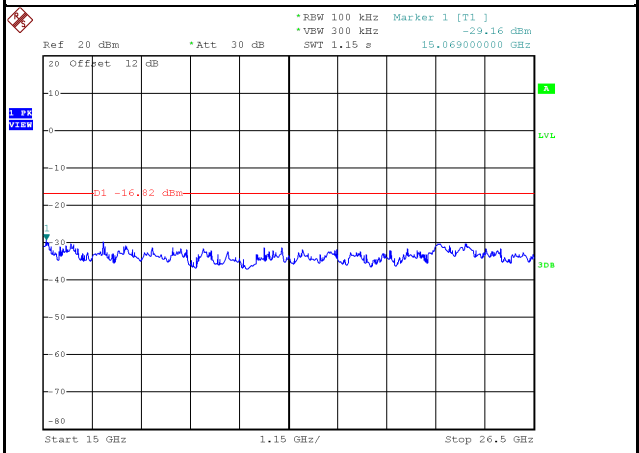
2462 MHz-10th Harmonics



Date: 10.DEC.2019 16:12:04



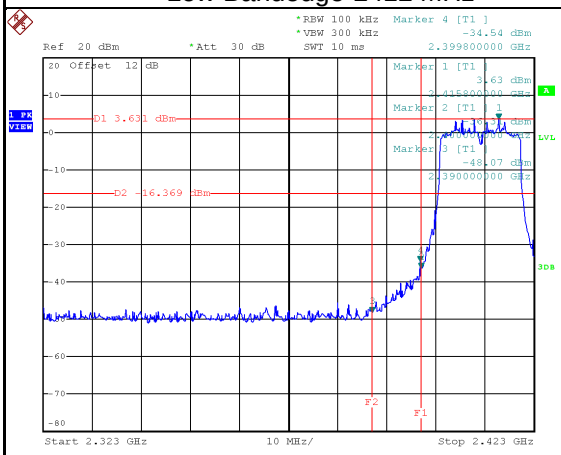
Date: 10.DEC.2019 16:12:10



Date: 10.DEC.2019 16:12:17

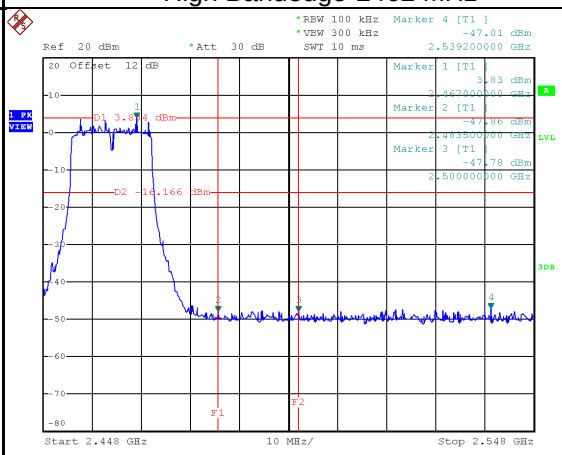
Test Mode	IEEE 802.11g_ANT 2

Low Bandedge-2412 MHz



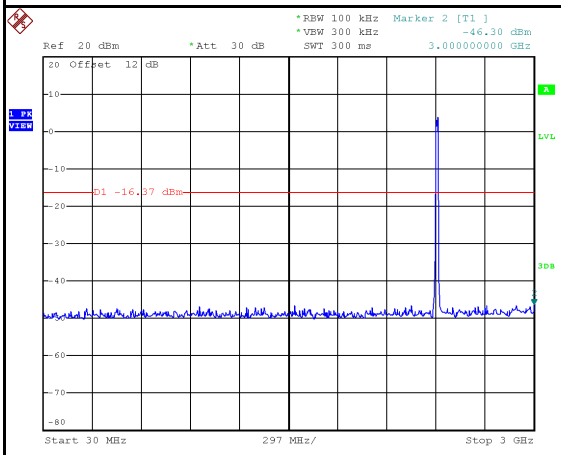
Date: 14.DEC.2019 10:59:54

High Bandedge-2462 MHz

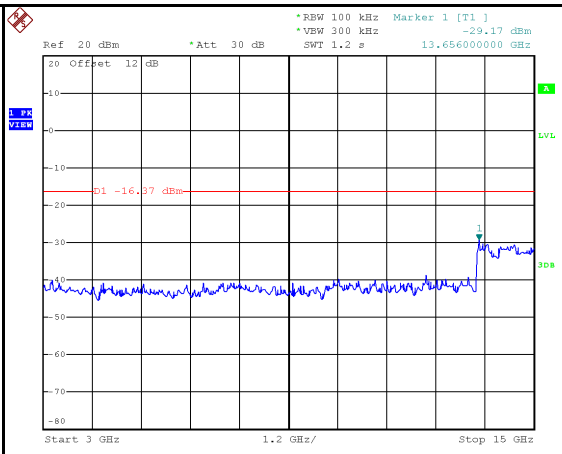


Date: 10.DEC.2019 16:10:27

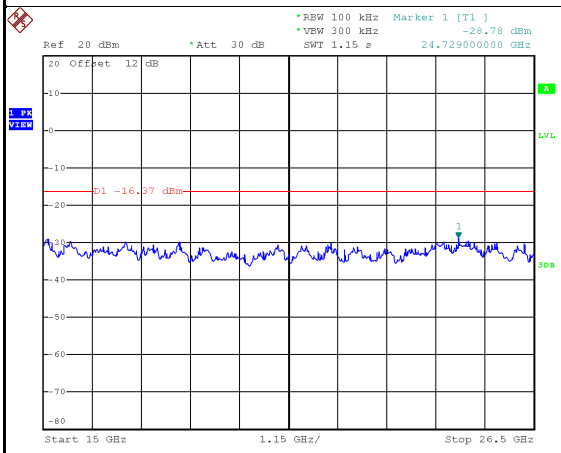
2412 MHz-10th Harmonics



Date: 14.DEC.2019 11:00:07



Date: 14.DEC.2019 11:00:14



Date: 14.DEC.2019 11:00:20

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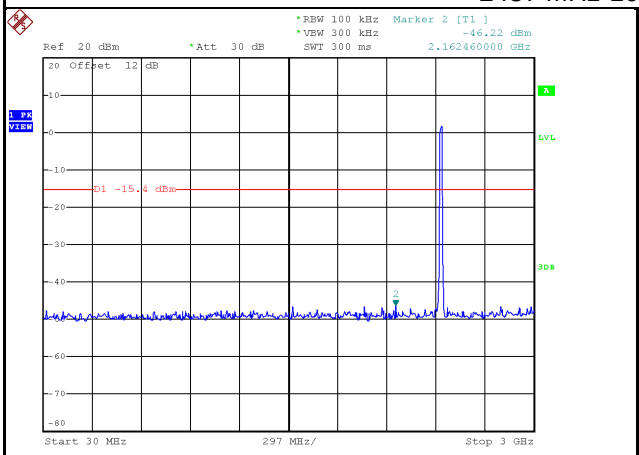
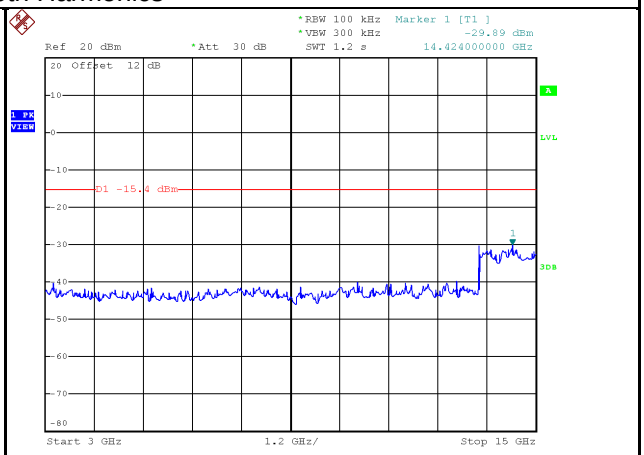
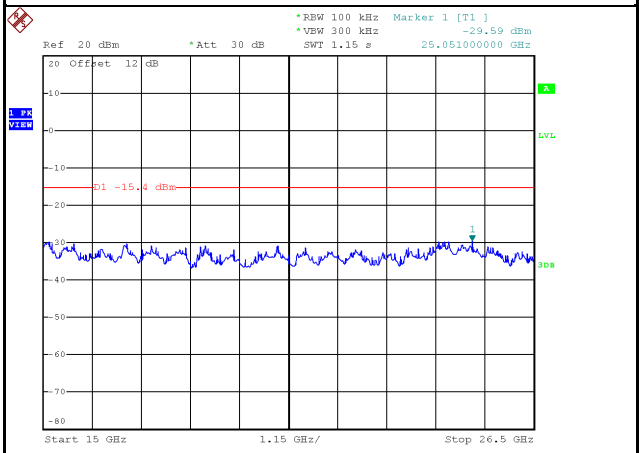
2437 MHz-10th Harmonics



Date: 10.DEC.2019 15:58:51

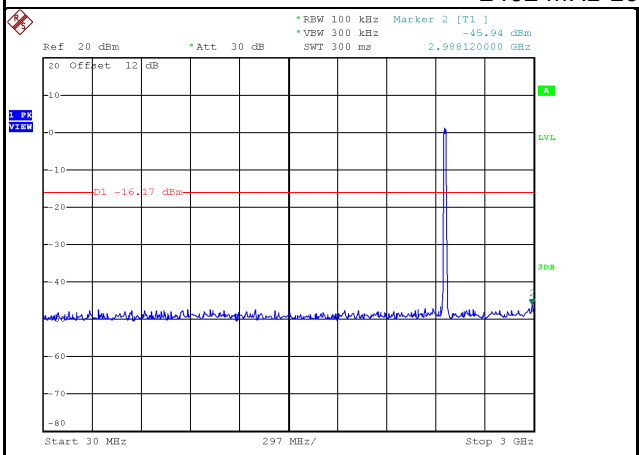


Date: 10.DEC.2019 15:58:58

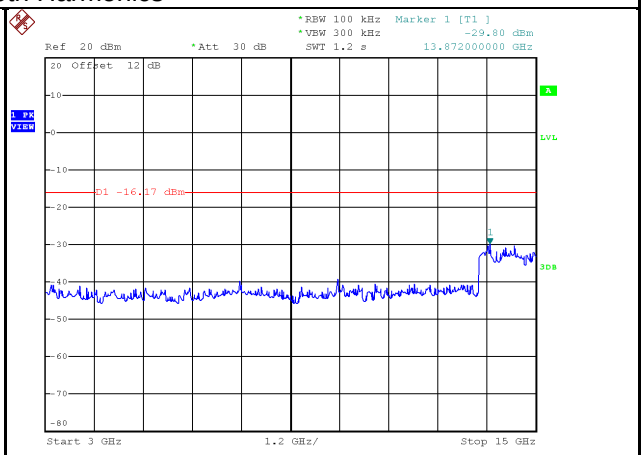


Date: 10.DEC.2019 15:59:05

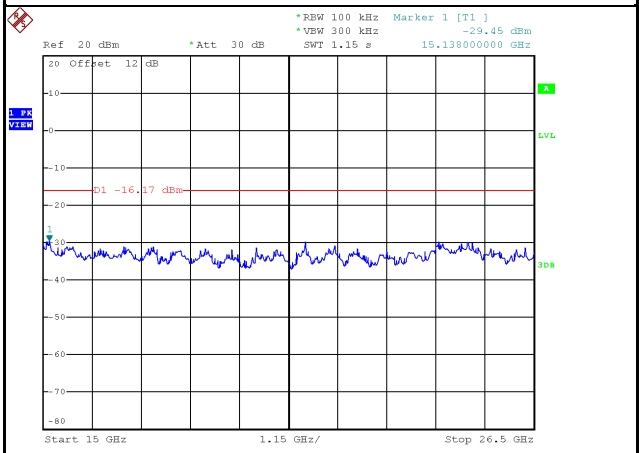
2462 MHz-10th Harmonics



Date: 10.DEC.2019 16:10:40



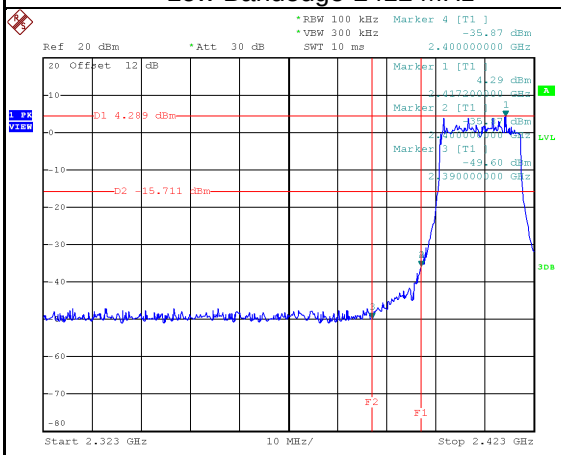
Date: 10.DEC.2019 16:10:46



Date: 10.DEC.2019 16:10:53

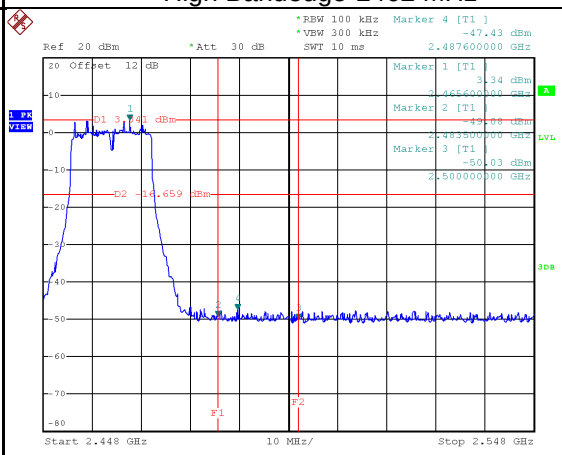
Test Mode	IEEE 802.11g_ANT 3

Low Bandedge-2412 MHz



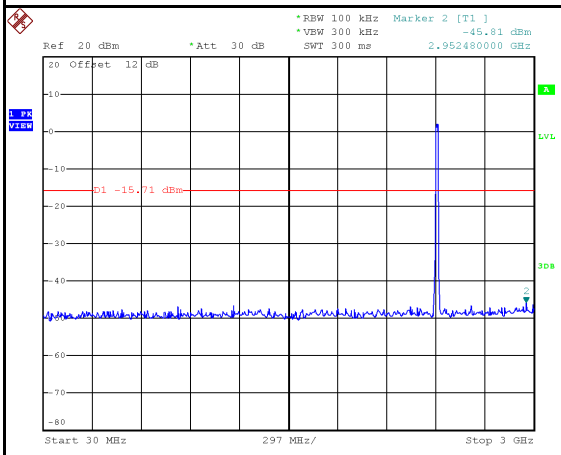
Date: 14.DEC.2019 11:01:38

High Bandedge-2462 MHz

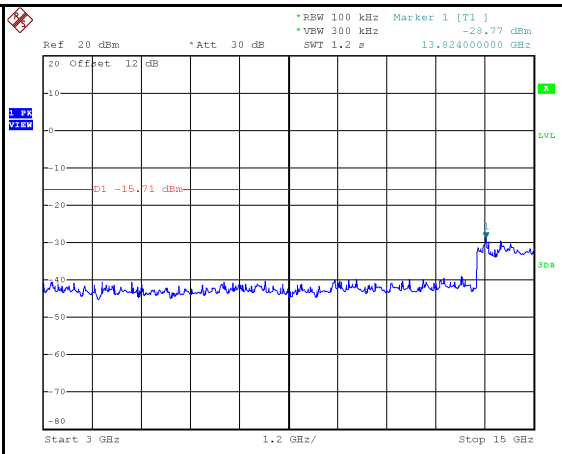


Date: 10.DEC.2019 16:09:13

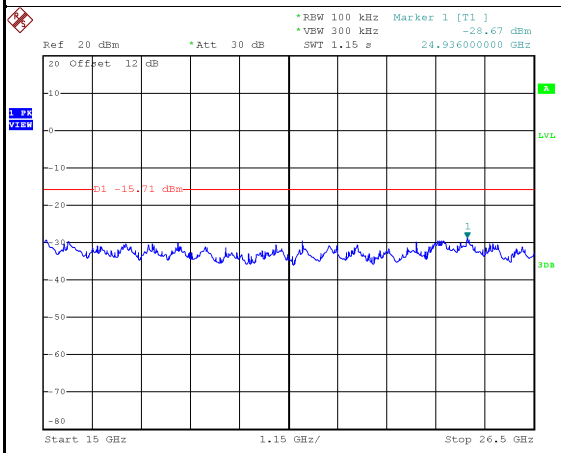
2412 MHz-10th Harmonics



Date: 14.DEC.2019 11:01:51



Date: 14.DEC.2019 11:01:58



Date: 14.DEC.2019 11:02:04

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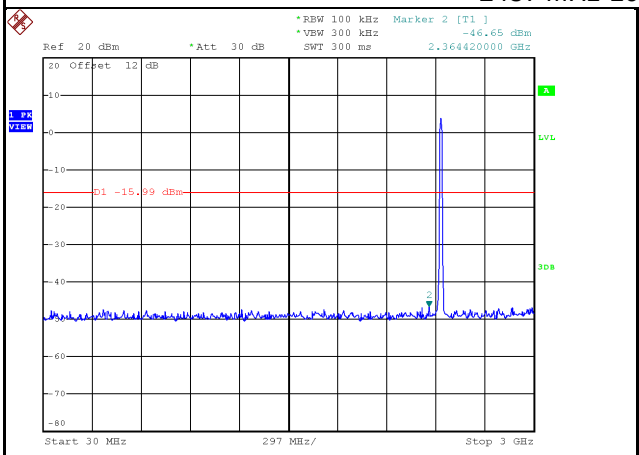
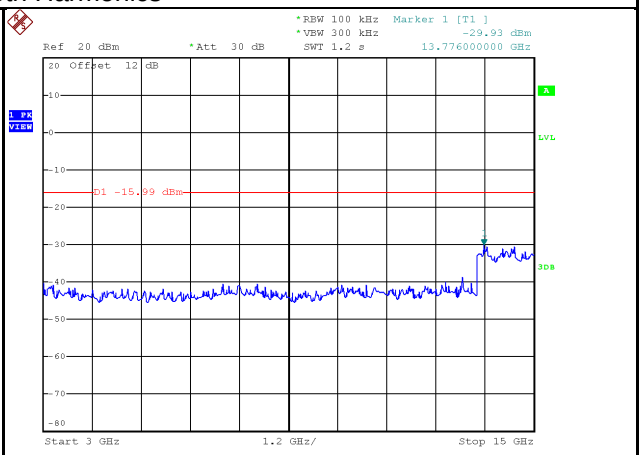
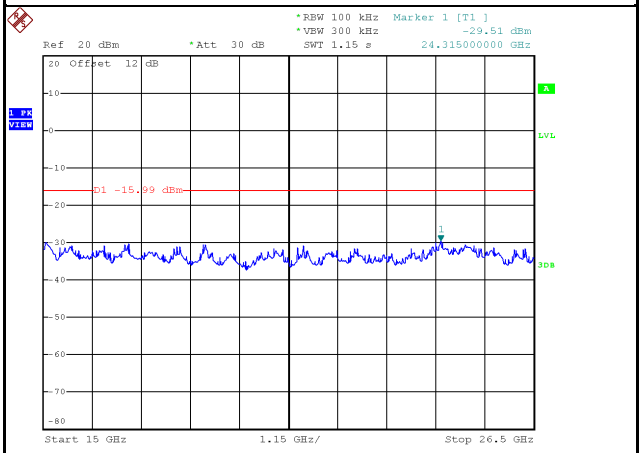
2437 MHz-10th Harmonics



Date: 10.DEC.2019 16:00:19

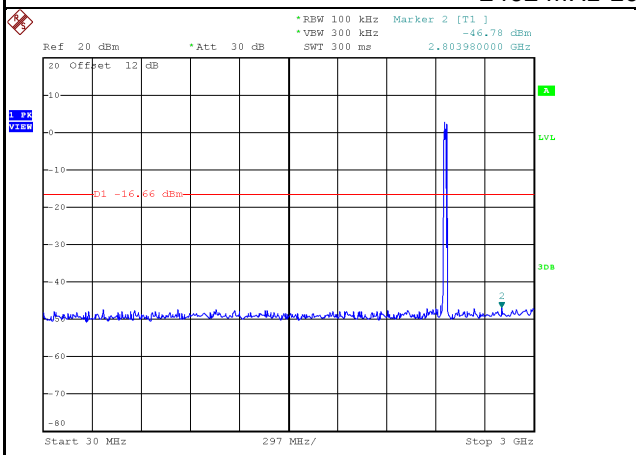


Date: 10.DEC.2019 16:00:25

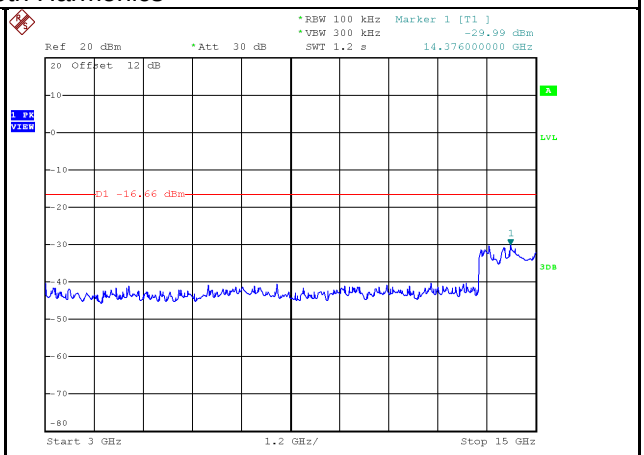


Date: 10.DEC.2019 16:00:32

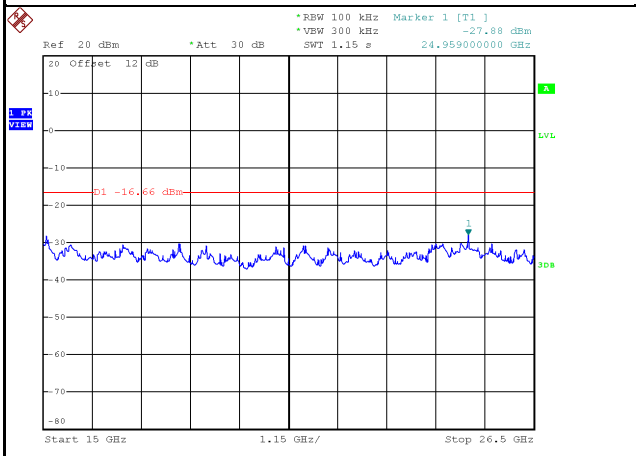
2462 MHz-10th Harmonics



Date: 10.DEC.2019 16:09:26



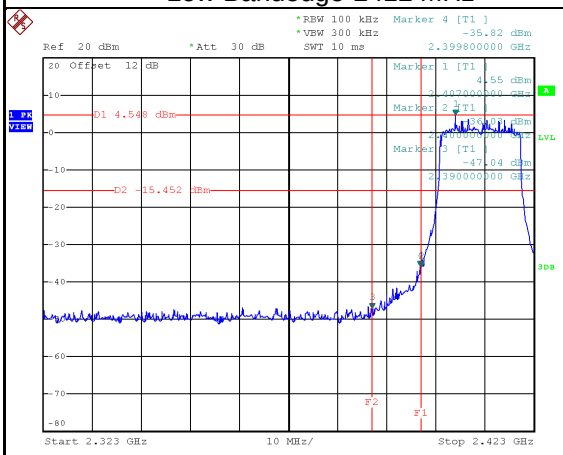
Date: 10.DEC.2019 16:09:32



Date: 10.DEC.2019 16:09:39

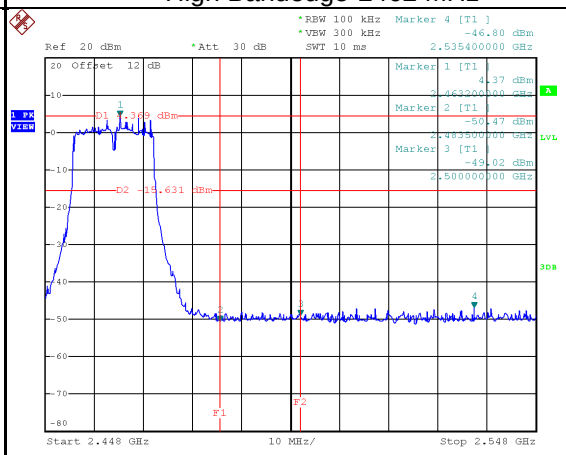
Test Mode	IEEE 802.11g_ANT 4

Low Bandedge-2412 MHz



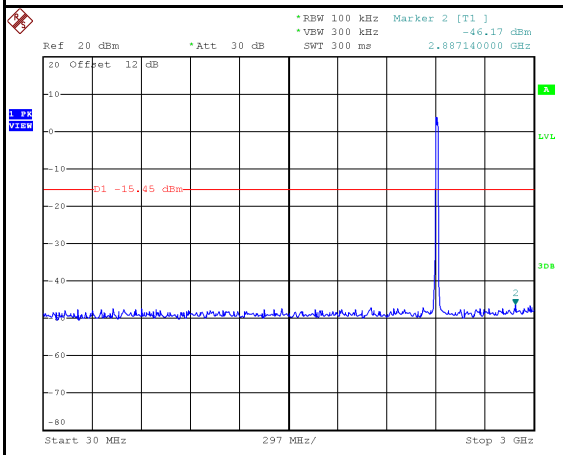
Date: 14.DEC.2019 11:03:55

High Bandedge-2462 MHz

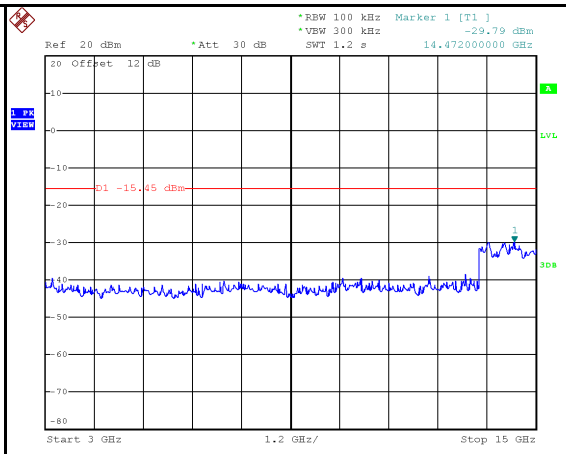


Date: 10.DEC.2019 16:07:48

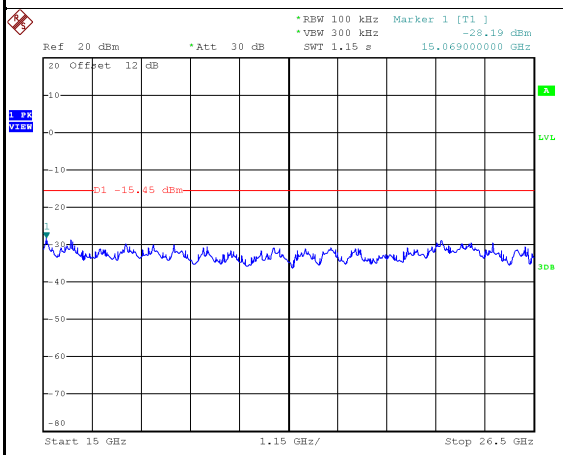
2412 MHz-10th Harmonics



Date: 14.DEC.2019 11:04:08



Date: 14.DEC.2019 11:04:14



Date: 14.DEC.2019 11:04:21

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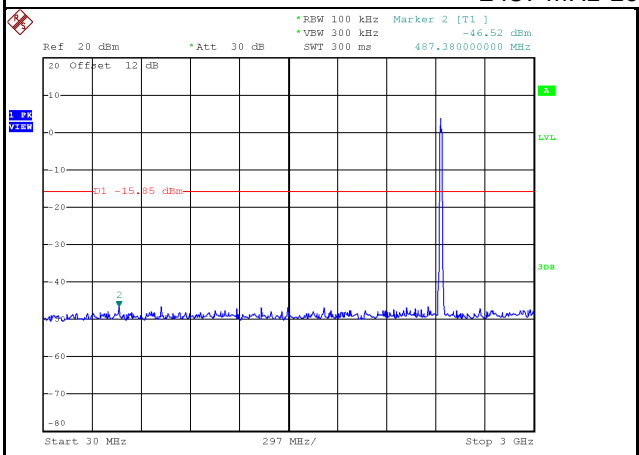
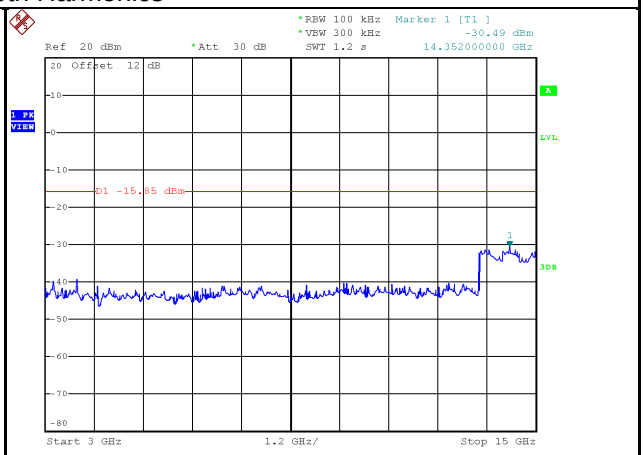
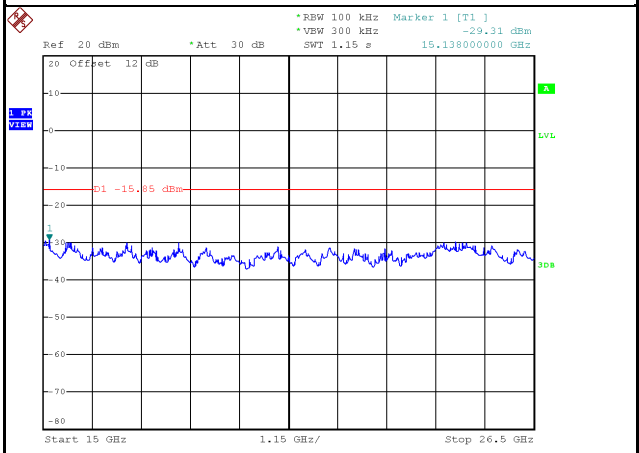
2437 MHz-10th Harmonics



Date: 10.DEC.2019 16:01:55

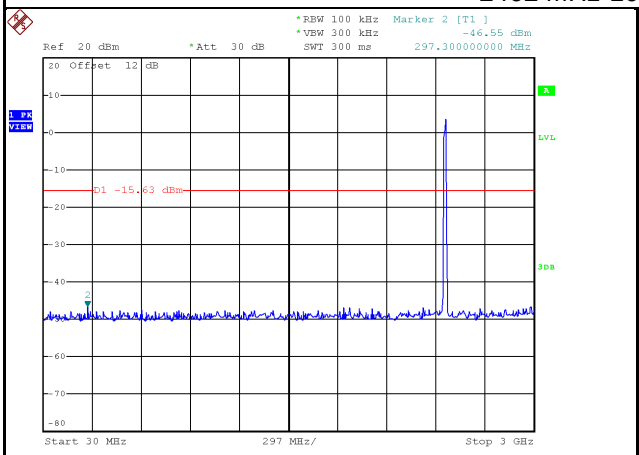


Date: 10.DEC.2019 16:02:02

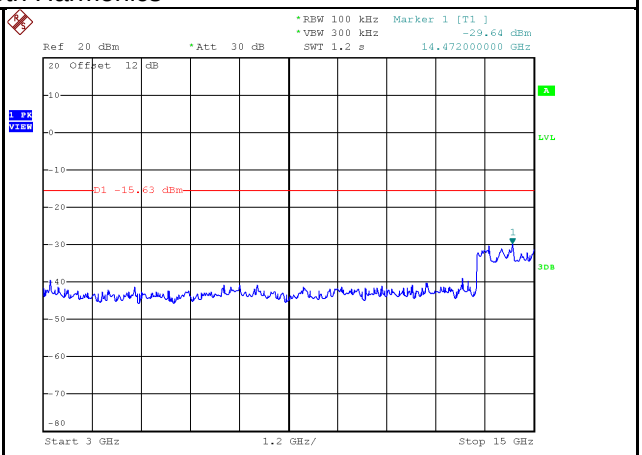


Date: 10.DEC.2019 16:02:09

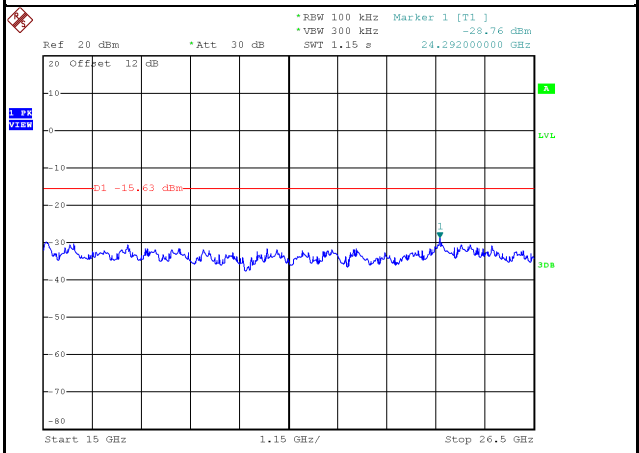
2462 MHz-10th Harmonics



Date: 10.DEC.2019 16:08:00



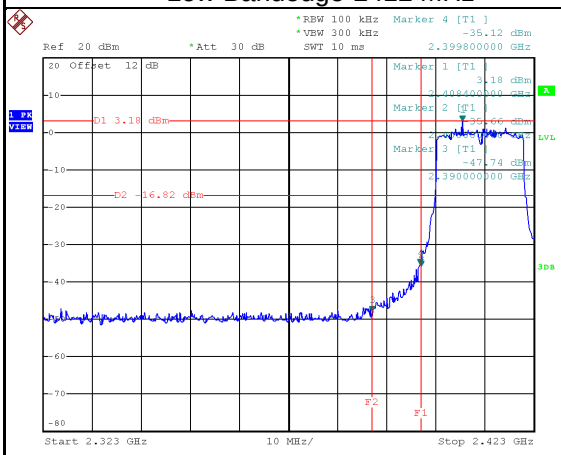
Date: 10.DEC.2019 16:08:07



Date: 10.DEC.2019 16:08:14

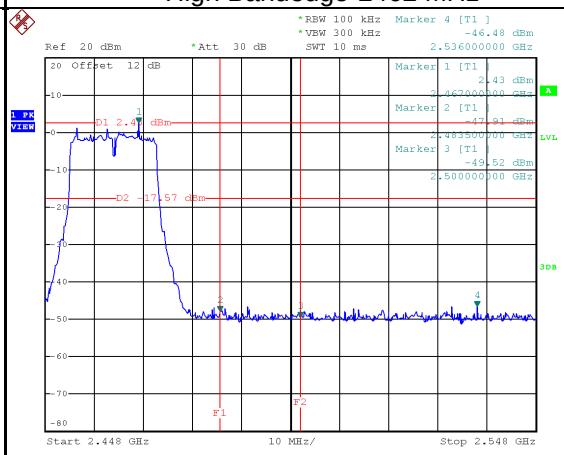
Test Mode	IEEE 802.11n (HT20)_ANT 1

Low Bandedge-2412 MHz



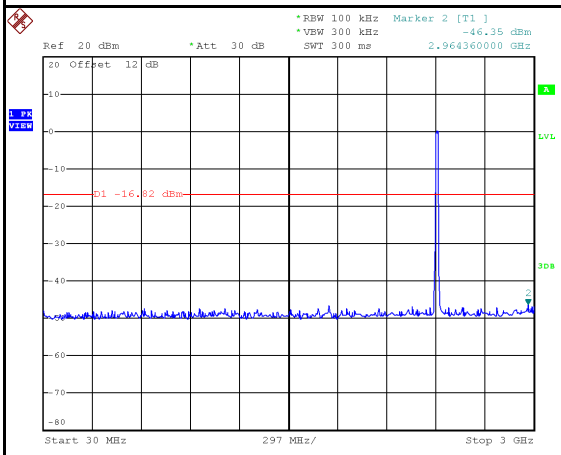
Date: 10.DEC.2019 16:15:57

High Bandedge-2462 MHz

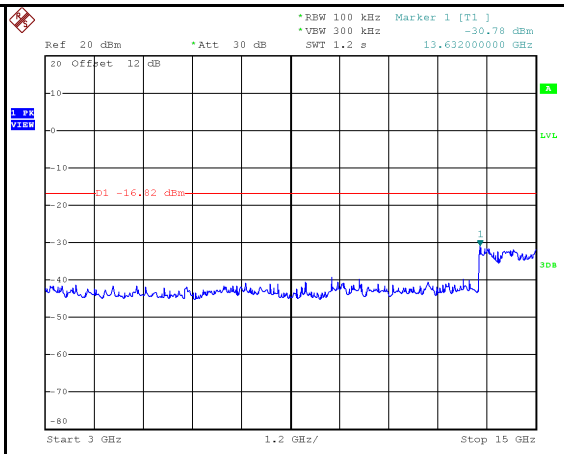


Date: 14.DEC.2019 11:07:20

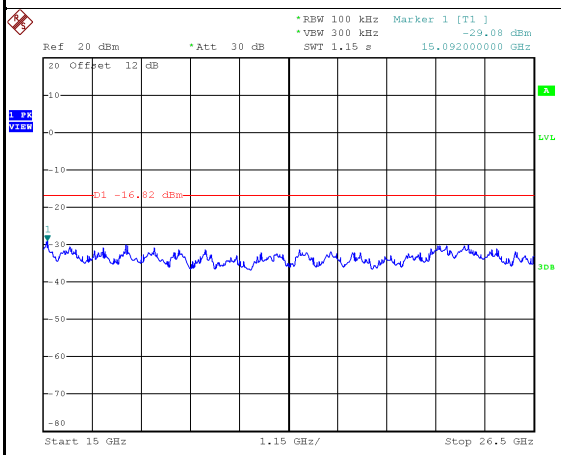
2412 MHz-10th Harmonics



Date: 10.DEC.2019 16:16:09



Date: 10.DEC.2019 16:16:16



Date: 10.DEC.2019 16:16:23

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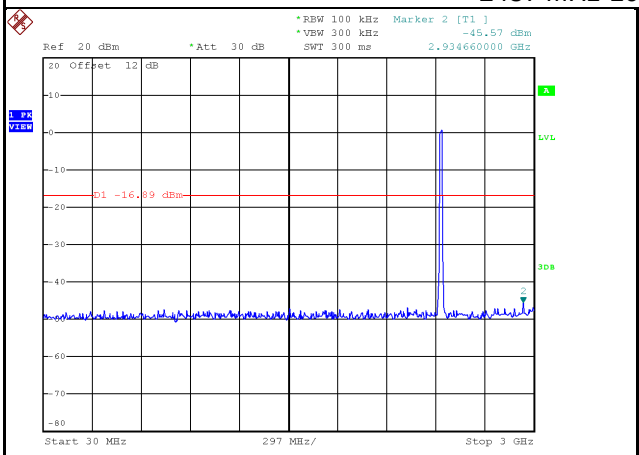
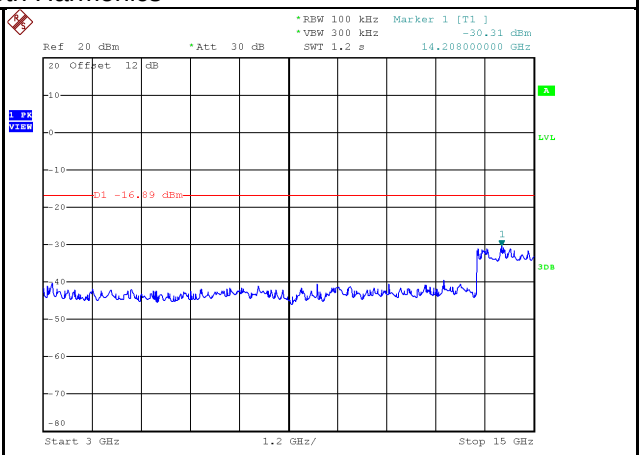
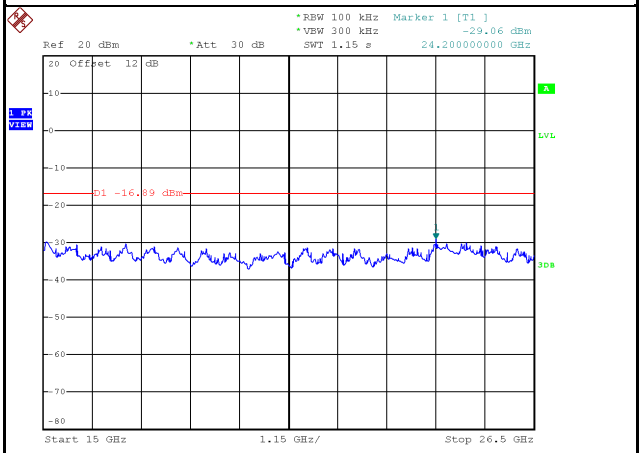
2437 MHz-10th Harmonics



Date: 10.DEC.2019 16:24:49

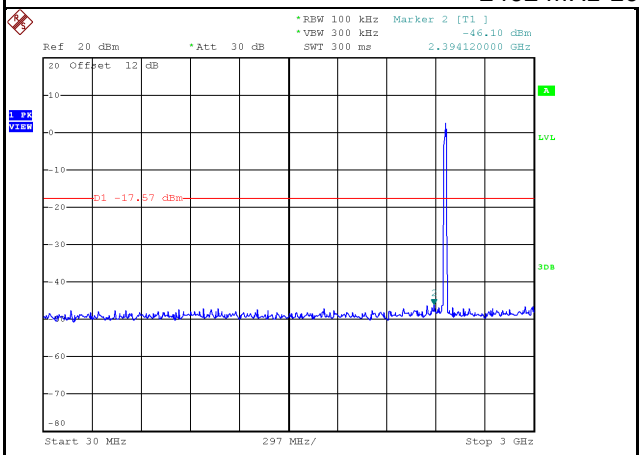


Date: 10.DEC.2019 16:24:56

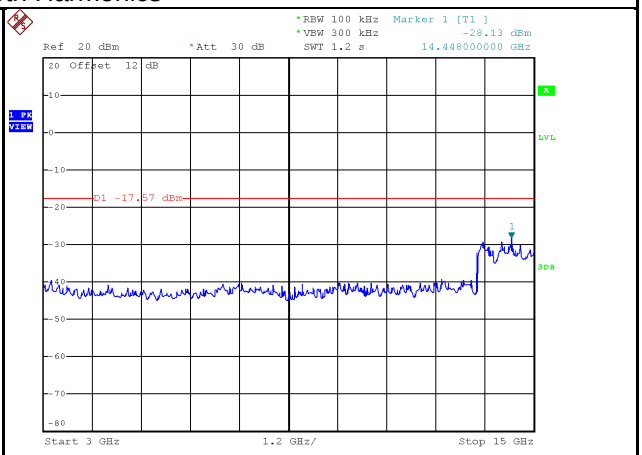


Date: 10.DEC.2019 16:25:03

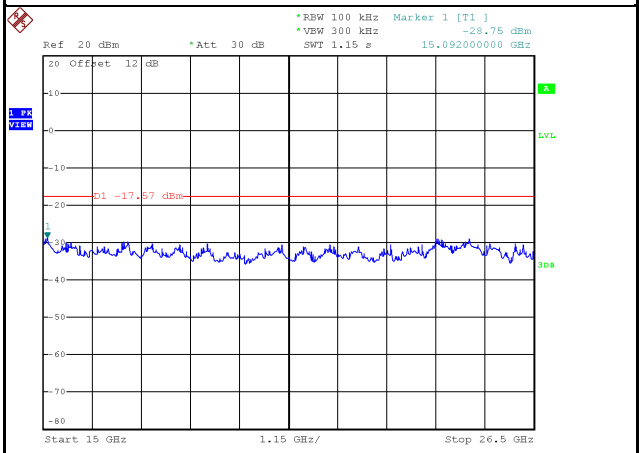
2462 MHz-10th Harmonics



Date: 14.DEC.2019 11:07:33



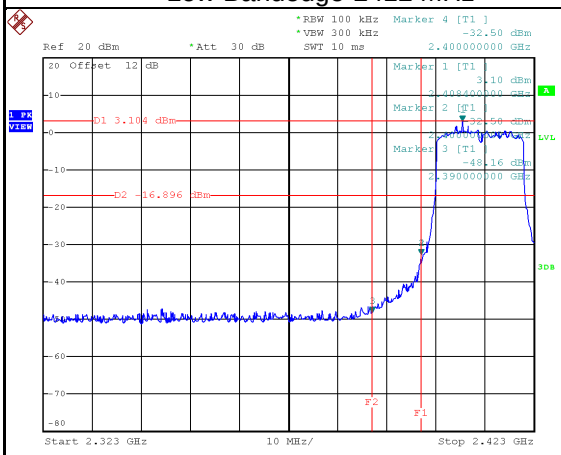
Date: 14.DEC.2019 11:07:39



Date: 14.DEC.2019 11:07:46

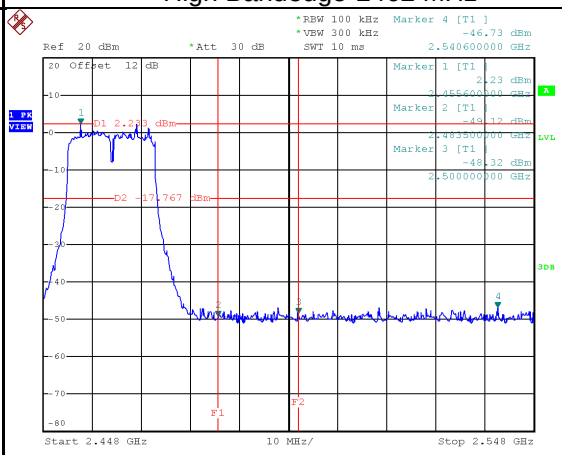
Test Mode	IEEE 802.11n (HT20)_ANT 2

Low Bandedge-2412 MHz



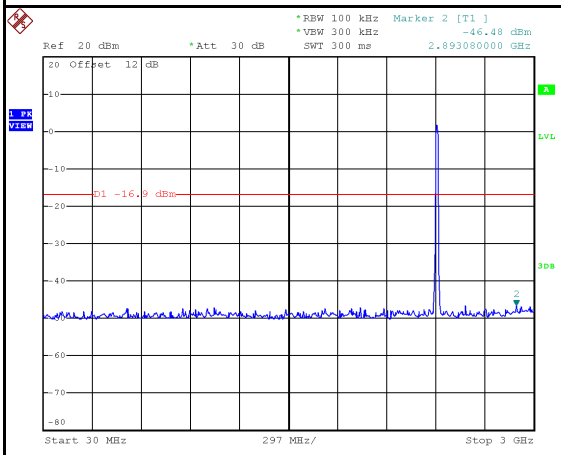
Date: 10.DEC.2019 16:17:17

High Bandedge-2462 MHz

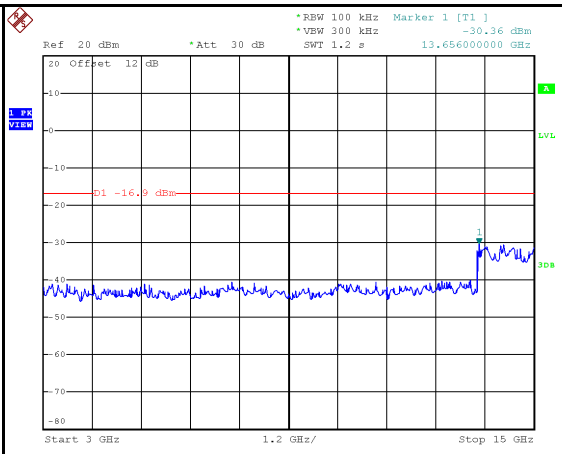


Date: 14.DEC.2019 11:10:13

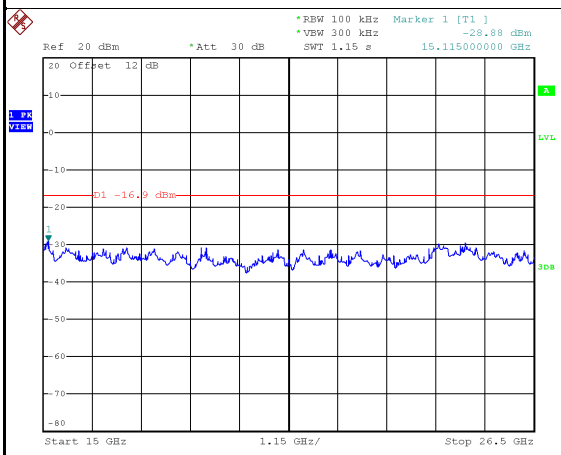
2412 MHz-10th Harmonics



Date: 10.DEC.2019 16:17:29



Date: 10.DEC.2019 16:17:36



Date: 10.DEC.2019 16:17:43

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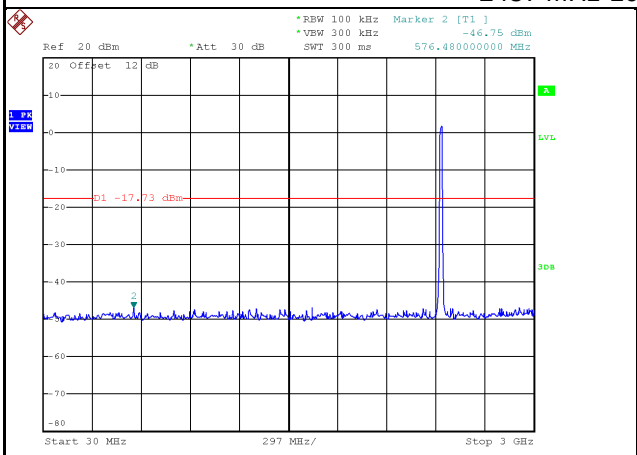
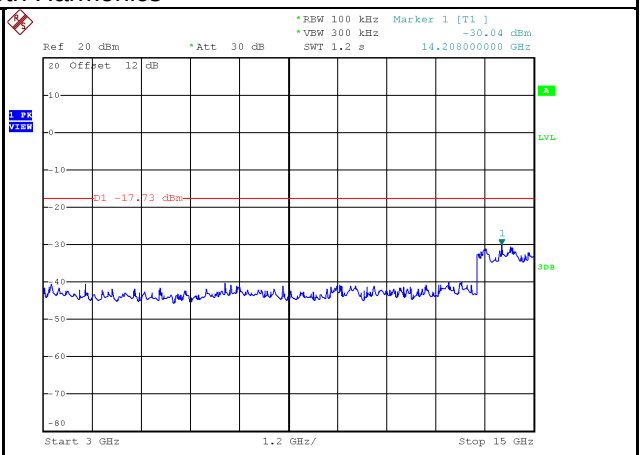
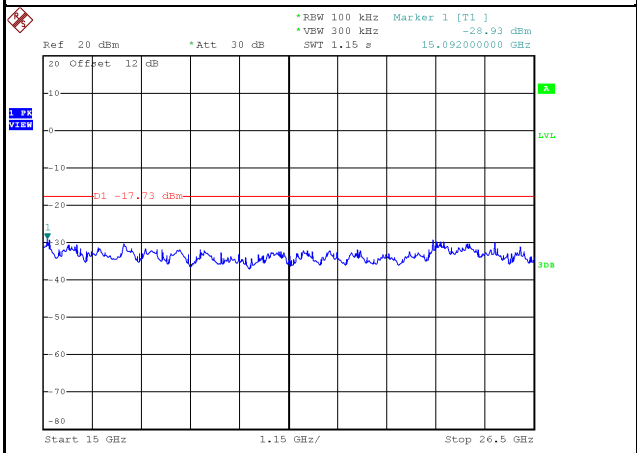
2437 MHz-10th Harmonics



Date: 10.DEC.2019 16:26:32

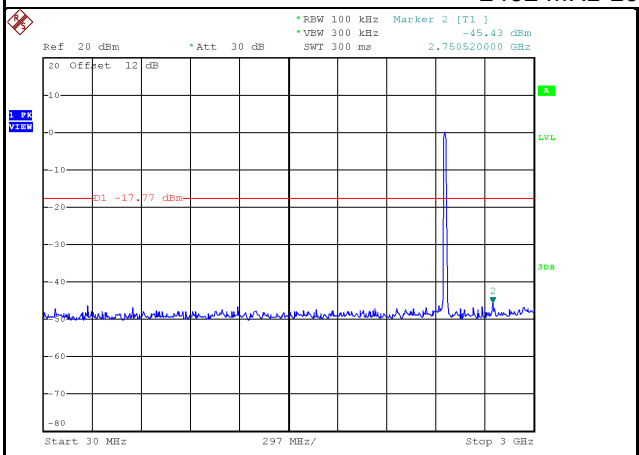


Date: 10.DEC.2019 16:26:39

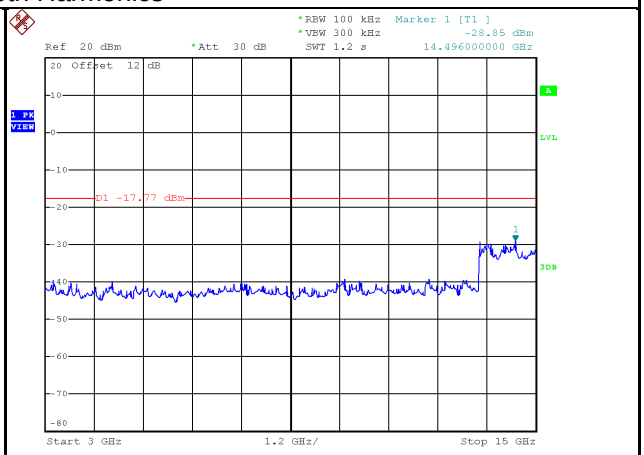


Date: 10.DEC.2019 16:26:46

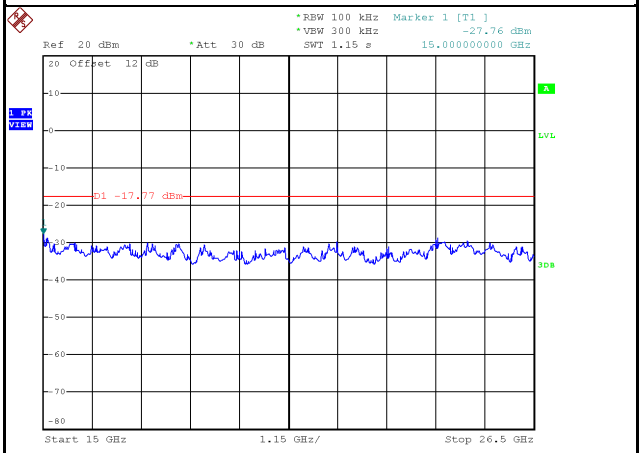
2462 MHz-10th Harmonics



Date: 14.DEC.2019 11:10:26



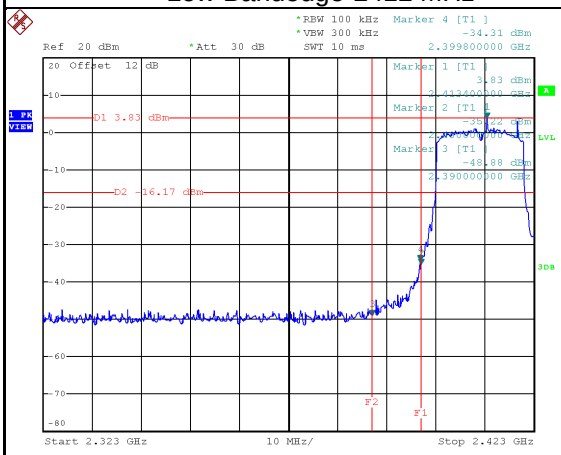
Date: 14.DEC.2019 11:10:32



Date: 14.DEC.2019 11:10:39

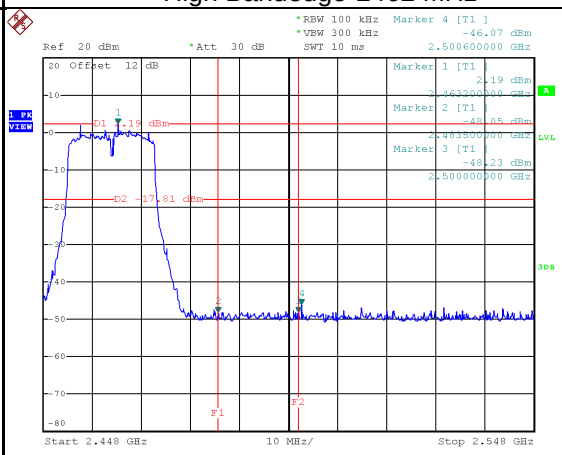
Test Mode	IEEE 802.11n (HT20)_ANT 3

Low Bandedge-2412 MHz



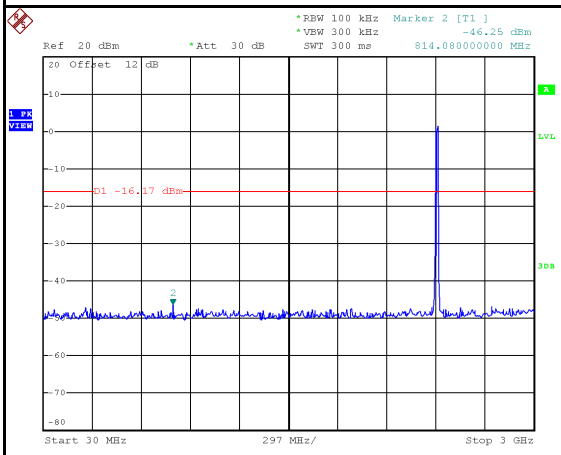
Date: 10.DEC.2019 16:18:39

High Bandedge-2462 MHz

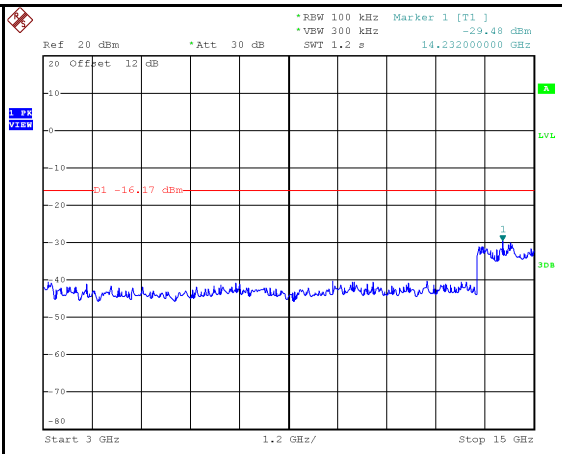


Date: 14.DEC.2019 11:13:21

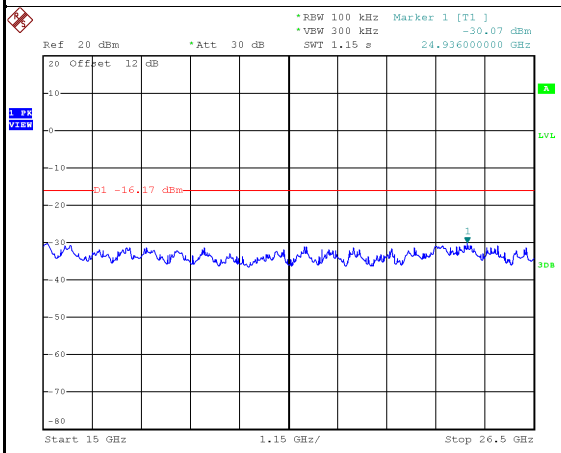
2412 MHz-10th Harmonics



Date: 10.DEC.2019 16:18:51



Date: 10.DEC.2019 16:18:58



Date: 10.DEC.2019 16:19:05

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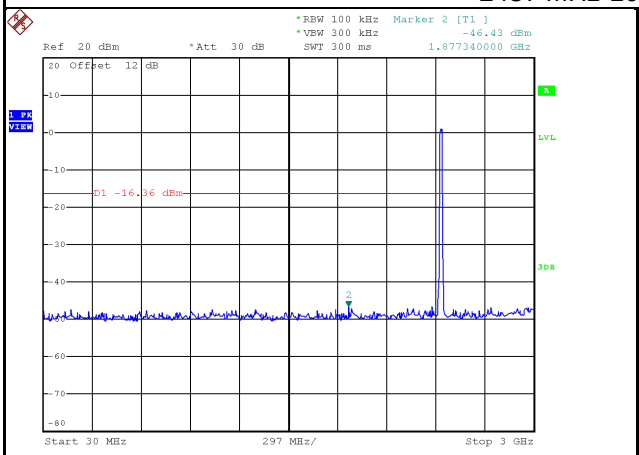
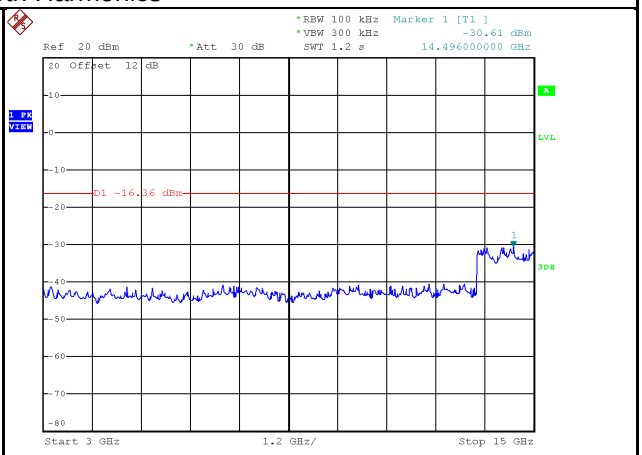
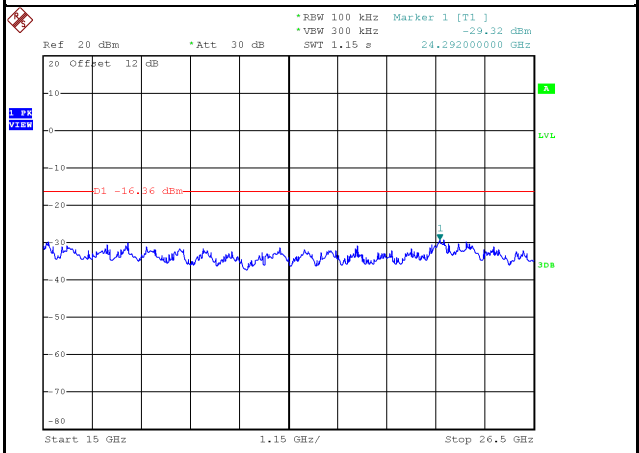
2437 MHz-10th Harmonics



Date: 10.DEC.2019 16:28:18

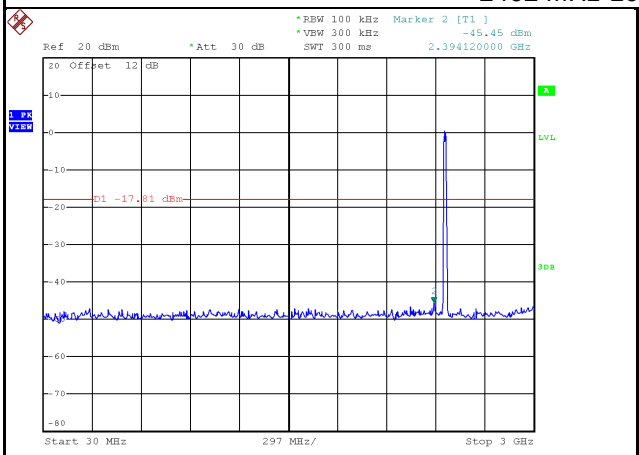


Date: 10.DEC.2019 16:28:25

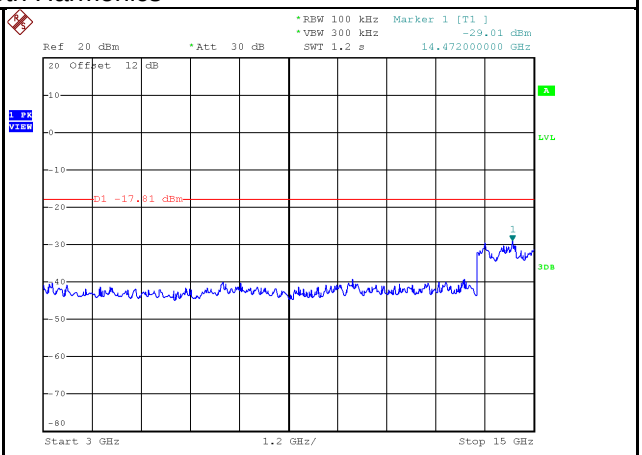


Date: 10.DEC.2019 16:28:32

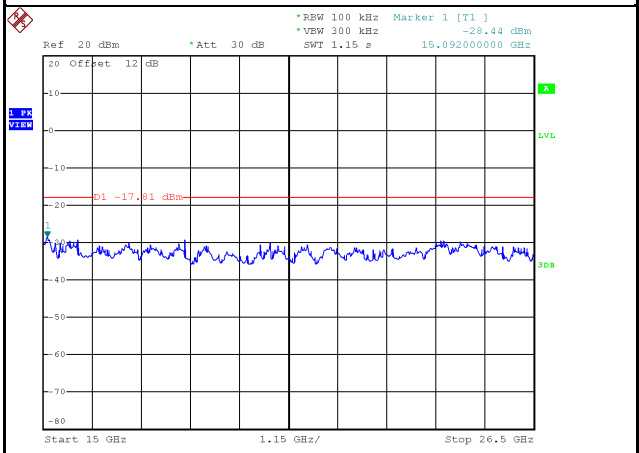
2462 MHz-10th Harmonics



Date: 14.DEC.2019 11:13:33



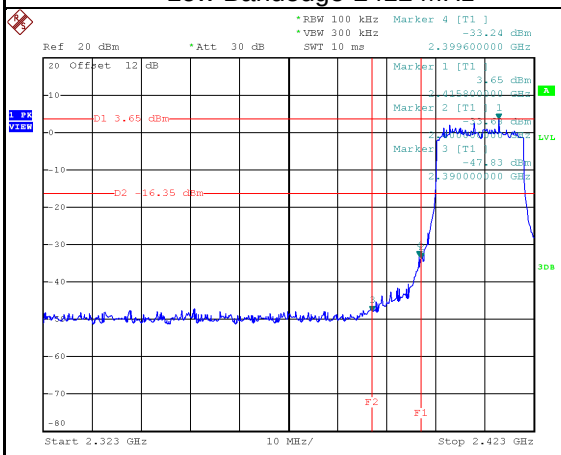
Date: 14.DEC.2019 11:13:40



Date: 14.DEC.2019 11:13:47

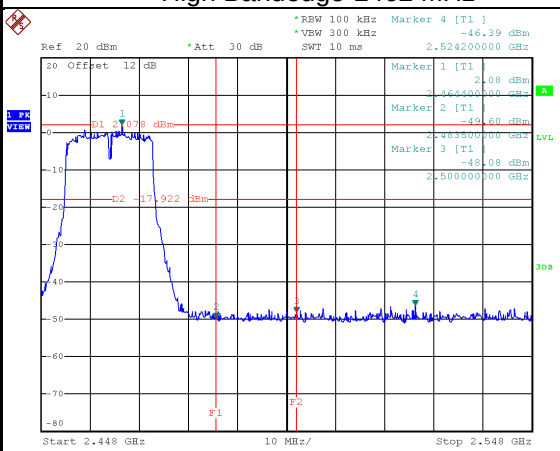
Test Mode	IEEE 802.11n (HT20)_ANT 4

Low Bandedge-2412 MHz



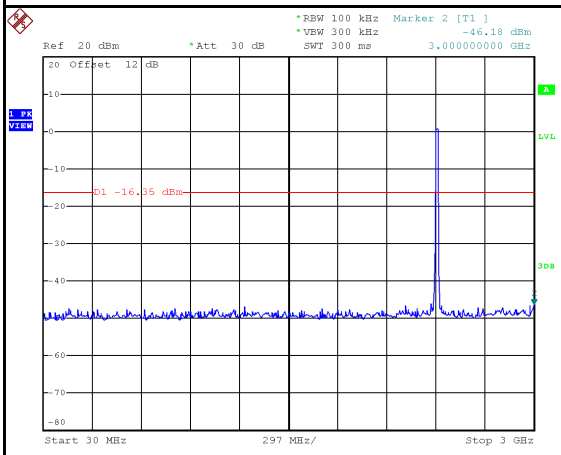
Date: 10.DEC.2019 16:20:45

High Bandedge-2462 MHz



Date: 14.DEC.2019 11:15:01

2412 MHz-10th Harmonics



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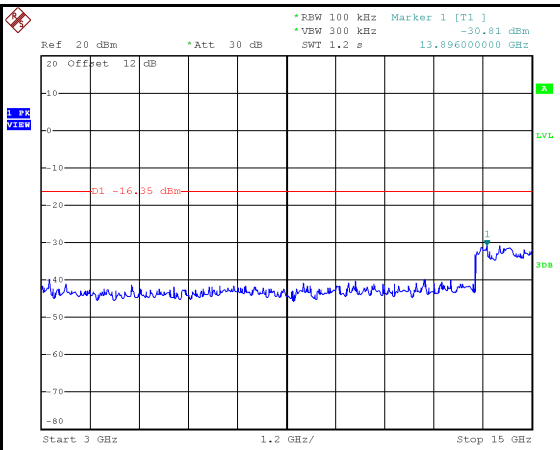

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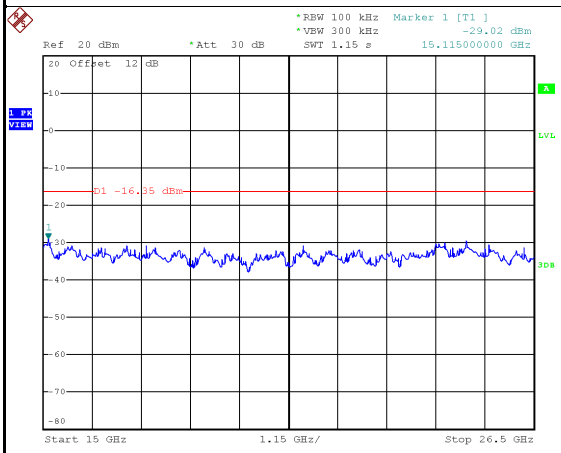

Date: 10.DEC.2019 16:21:11

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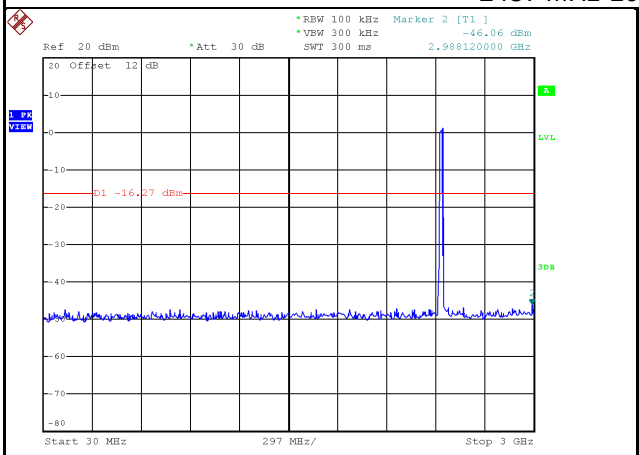
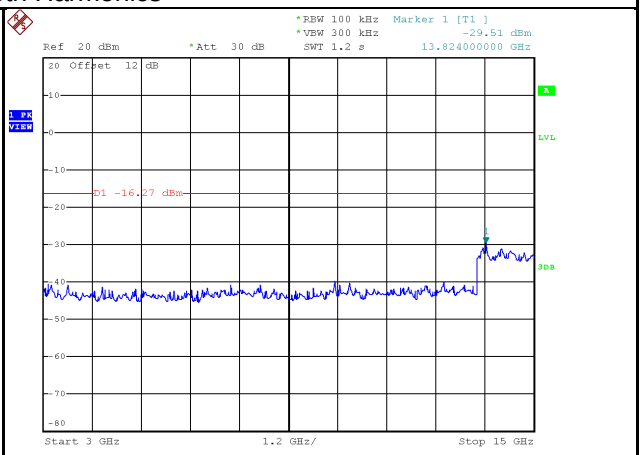
2437 MHz-10th Harmonics



Date: 10.DEC.2019 16:29:50



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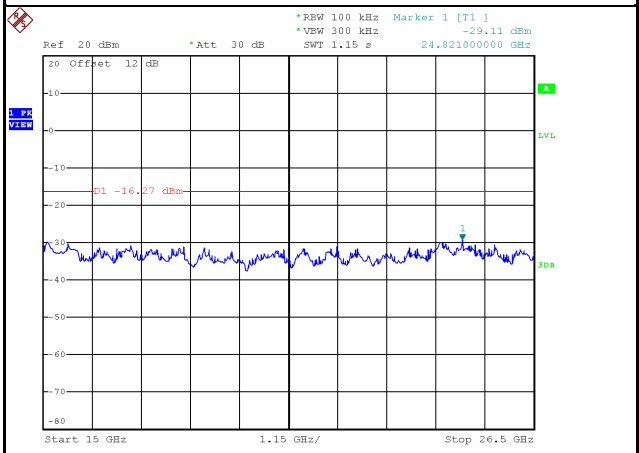

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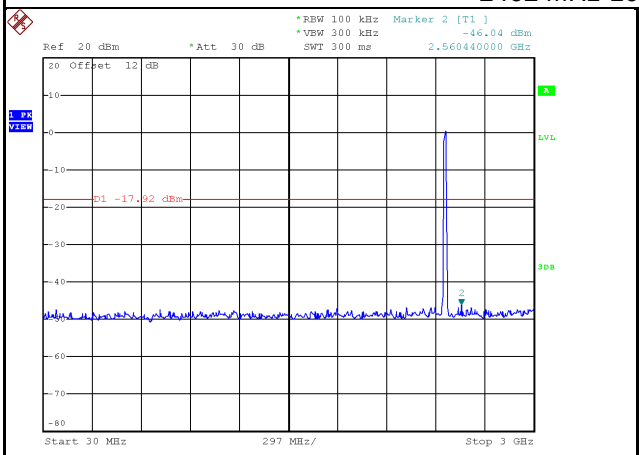
2462 MHz-10th Harmonics



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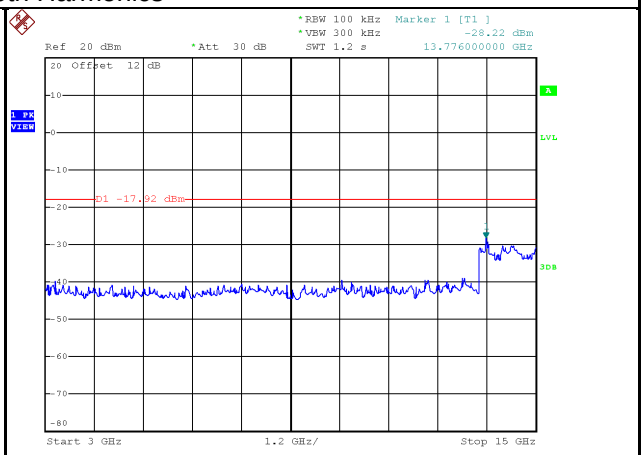
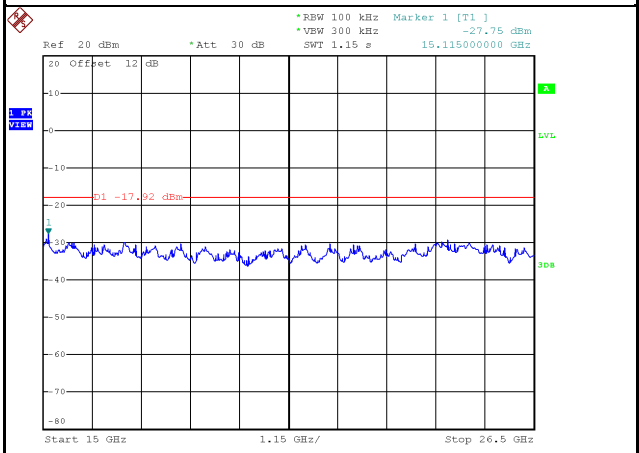


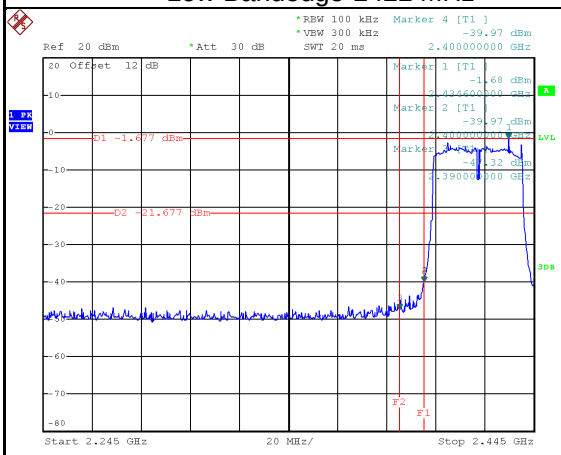
Date: 14.DEC.2019 11:15:20



Date: 14.DEC.2019 11:15:27

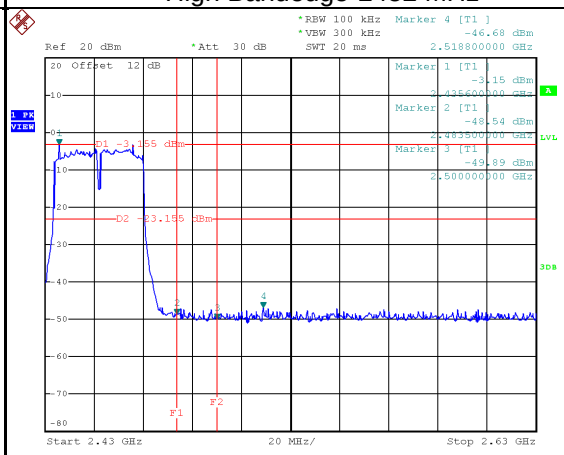
Test Mode	IEEE 802.11n (HT40)_ANT 1

Low Bandedge-2422 MHz



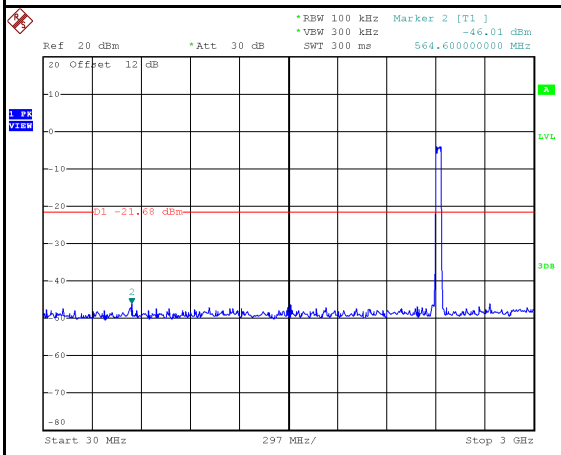
Date: 14.DEC.2019 11:32:06

High Bandedge-2452 MHz

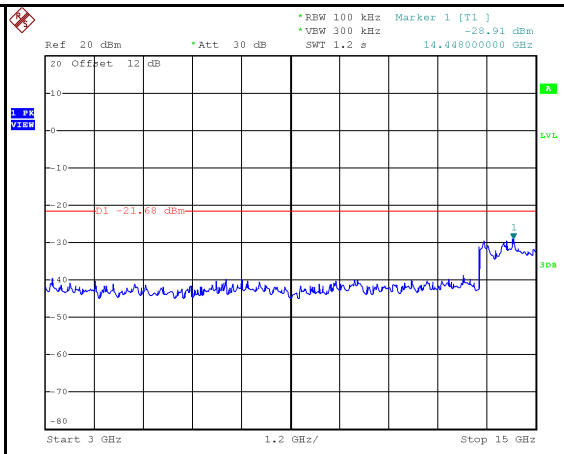


Date: 14.DEC.2019 11:37:09

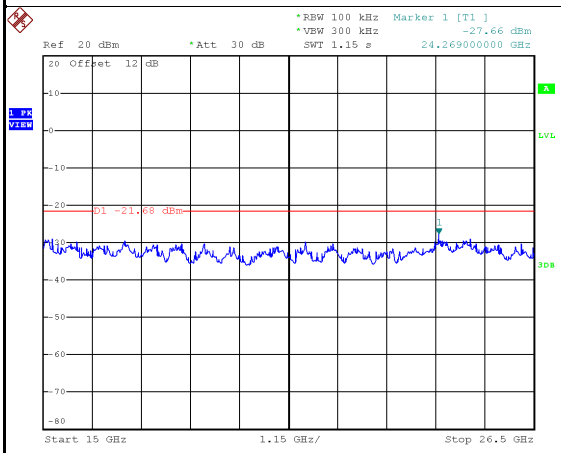
2422 MHz-10th Harmonics



Date: 14.DEC.2019 11:32:18



Date: 14.DEC.2019 11:32:25



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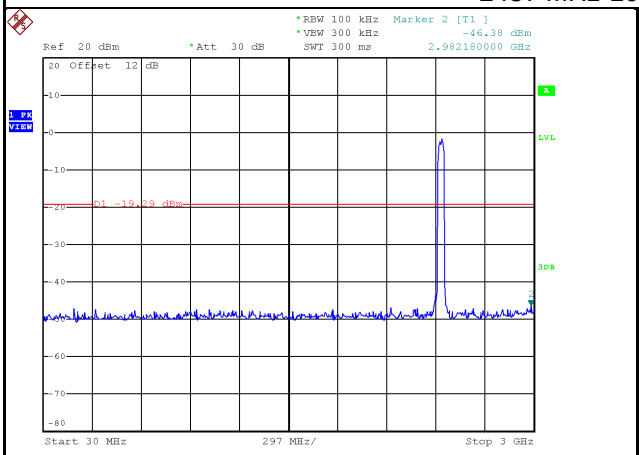
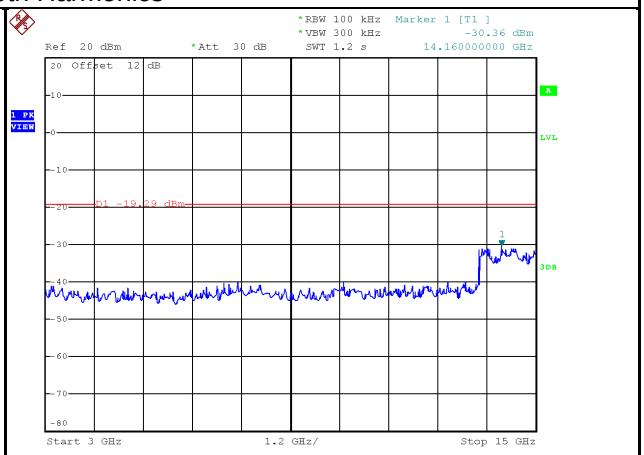
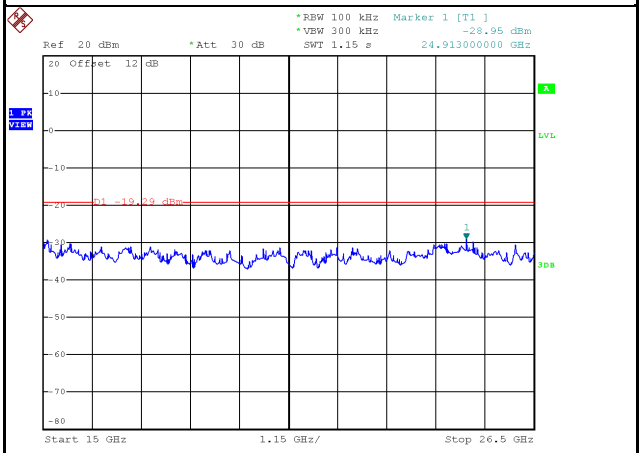
2437 MHz-10th Harmonics



Date: 10.DEC.2019 16:49:55

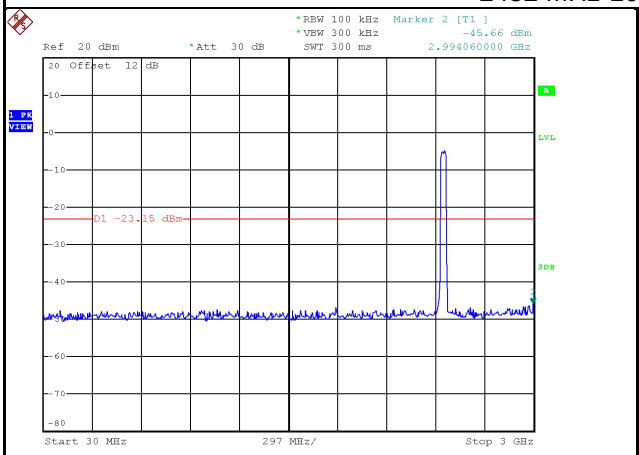


Date: 10.DEC.2019 16:50:01

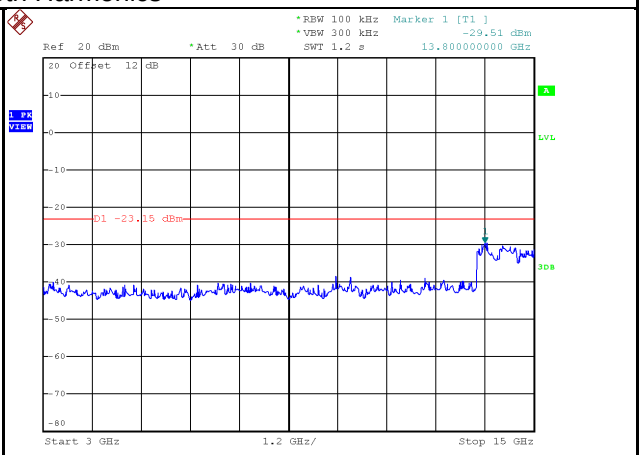


Date: 10.DEC.2019 16:50:08

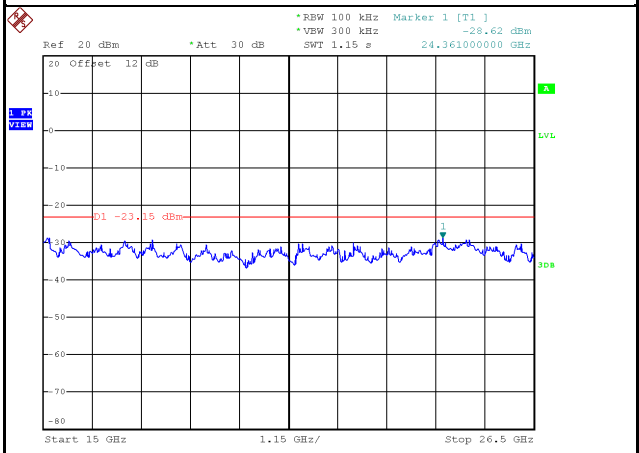
2452 MHz-10th Harmonics



Date: 14.DEC.2019 11:37:22



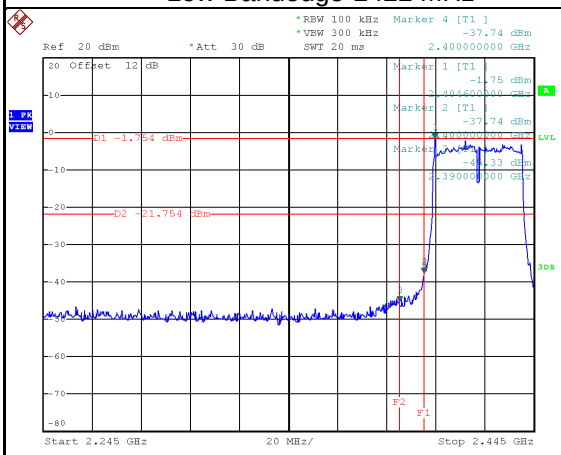
Date: 14.DEC.2019 11:37:28



Date: 14.DEC.2019 11:37:35

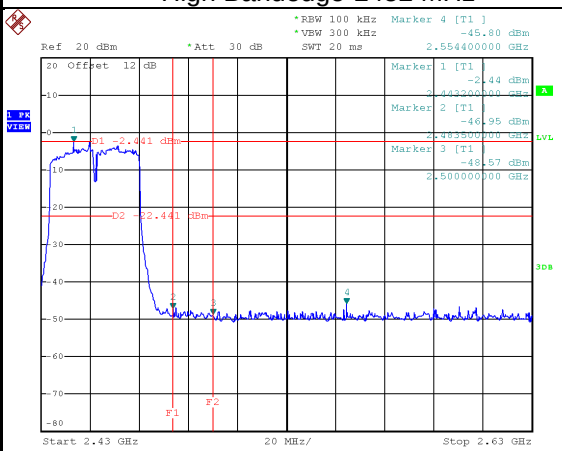
Test Mode	IEEE 802.11n (HT40)_ANT 2

Low Bandedge-2422 MHz



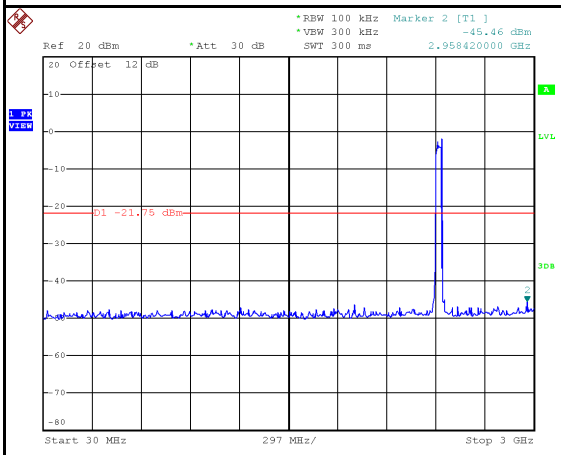
Date: 14.DEC.2019 11:30:39

High Bandedge-2452 MHz

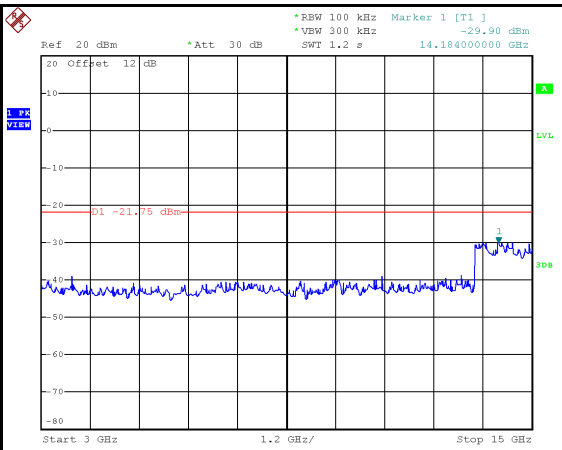


Date: 14.DEC.2019 11:38:59

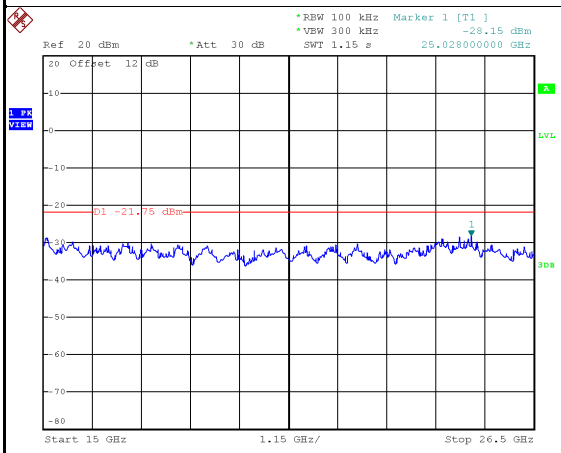
2422 MHz-10th Harmonics



Date: 14.DEC.2019 11:30:51



Date: 14.DEC.2019 11:30:58



Date: 14.DEC.2019 11:31:05

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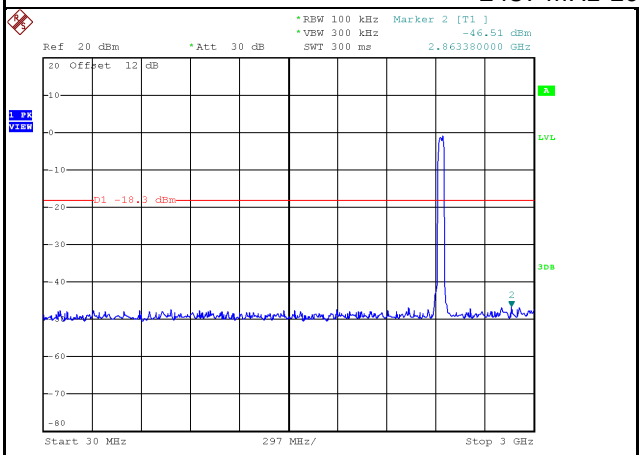
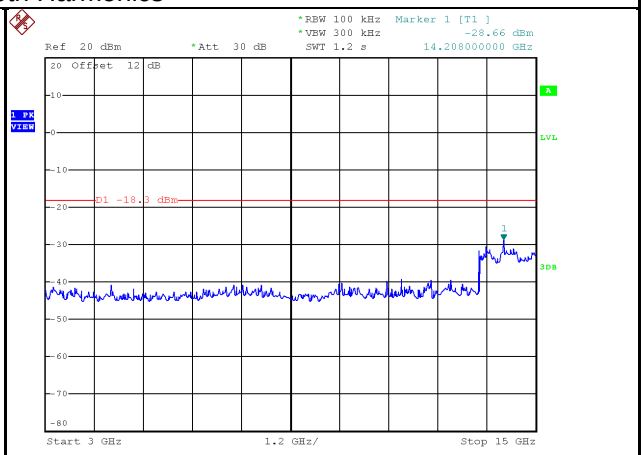
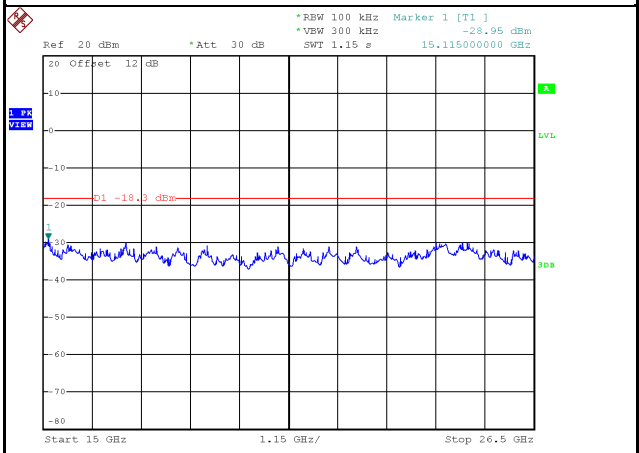
2437 MHz-10th Harmonics



Date: 10.DEC.2019 16:52:17

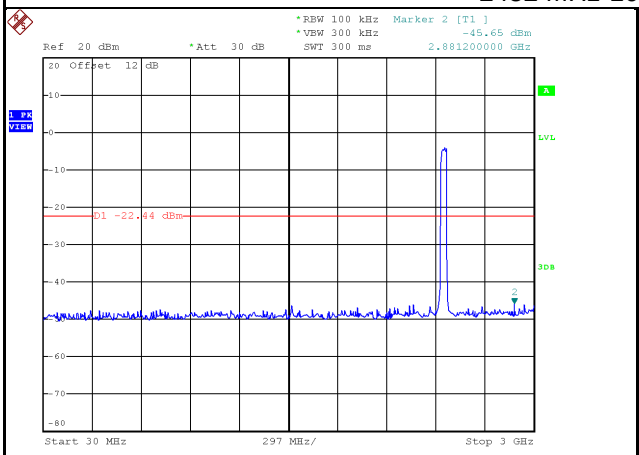


Date: 10.DEC.2019 16:52:24

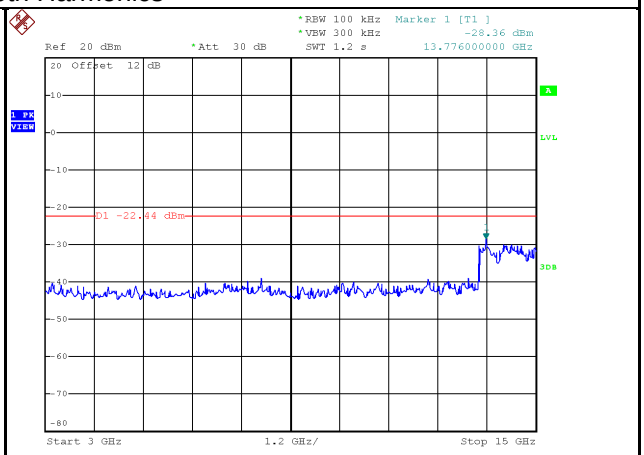


Date: 10.DEC.2019 16:52:31

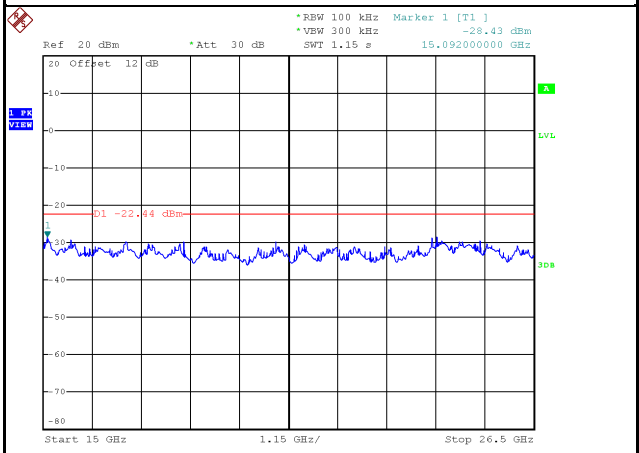
2452 MHz-10th Harmonics



Date: 14.DEC.2019 11:39:12



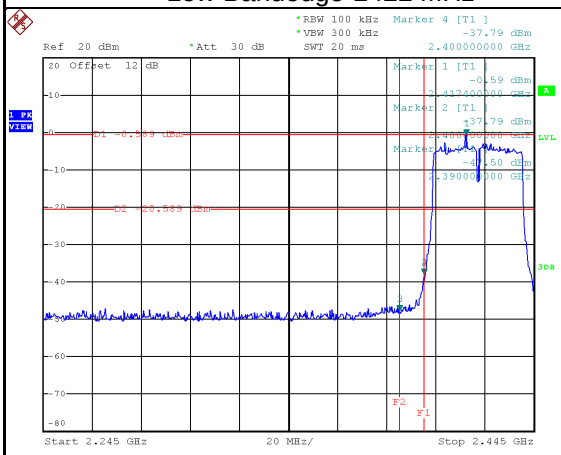
Date: 14.DEC.2019 11:39:18



Date: 14.DEC.2019 11:39:25

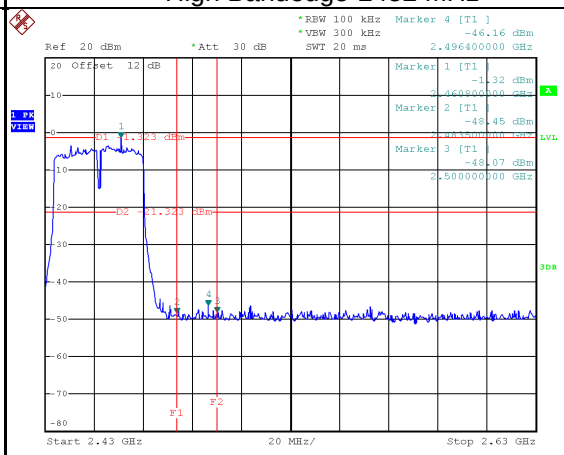
Test Mode	IEEE 802.11n (HT40)_ANT 3

Low Bandedge-2422 MHz



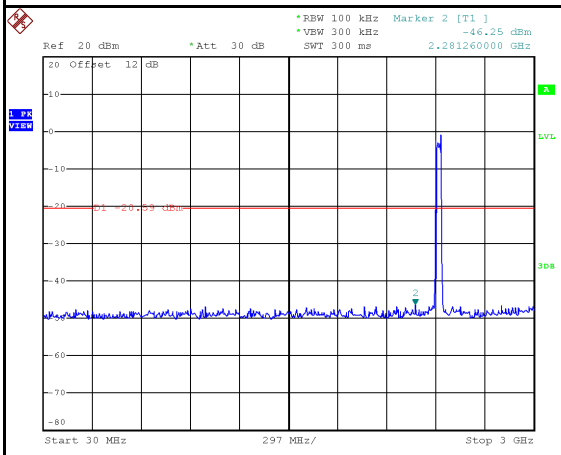
Date: 14.DEC.2019 11:27:37

High Bandedge-2452 MHz

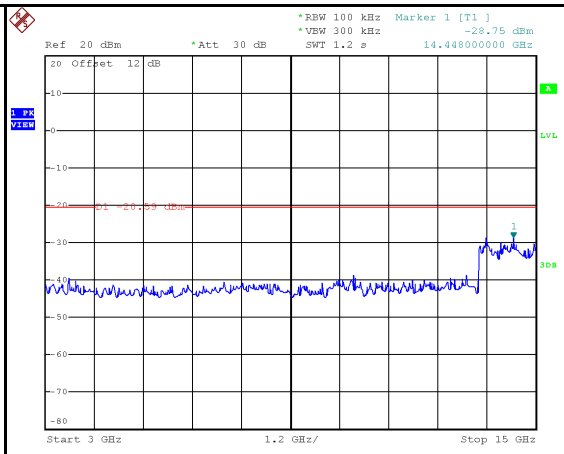


Date: 14.DEC.2019 11:40:14

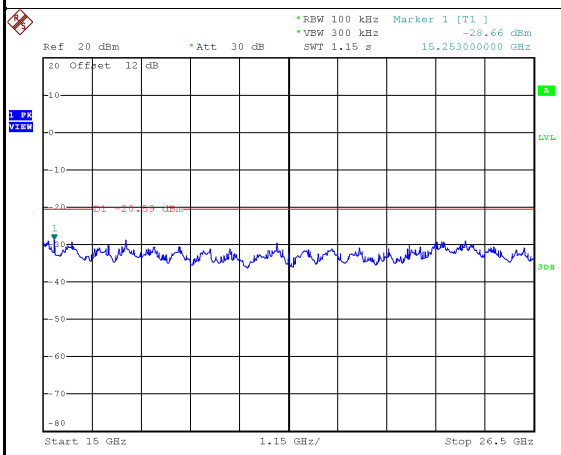
2422 MHz-10th Harmonics



Date: 14.DEC.2019 11:27:50



Date: 14.DEC.2019 11:27:56



Date: 14.DEC.2019 11:28:03

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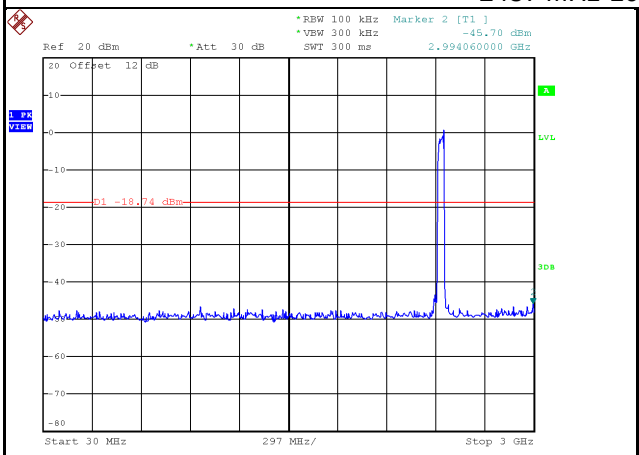
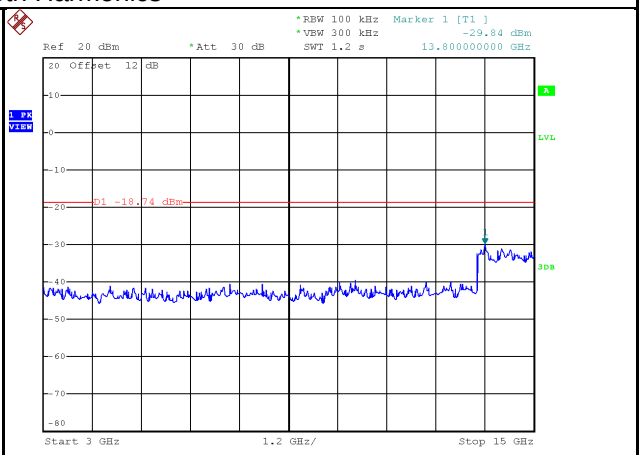
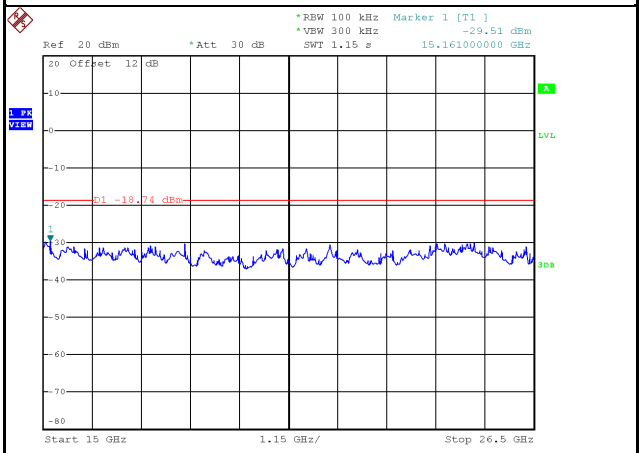
2437 MHz-10th Harmonics



Date: 10.DEC.2019 16:53:37

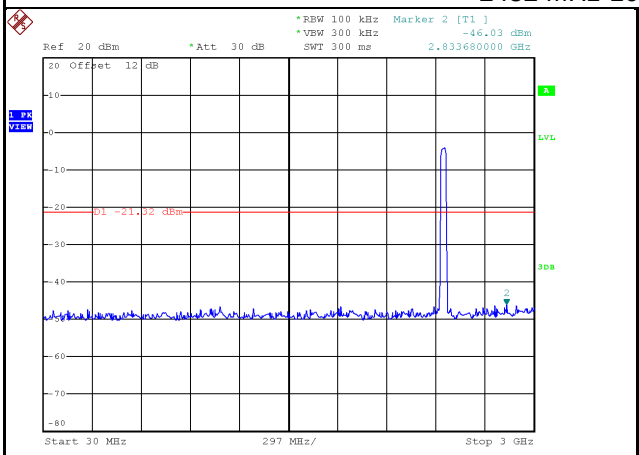


Date: 10.DEC.2019 16:53:44

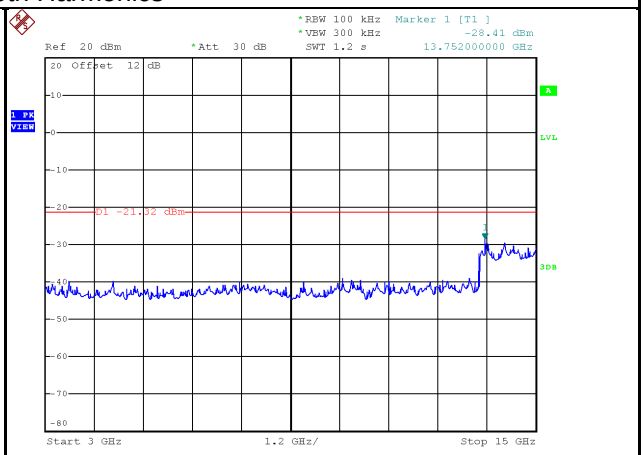


Date: 10.DEC.2019 16:53:50

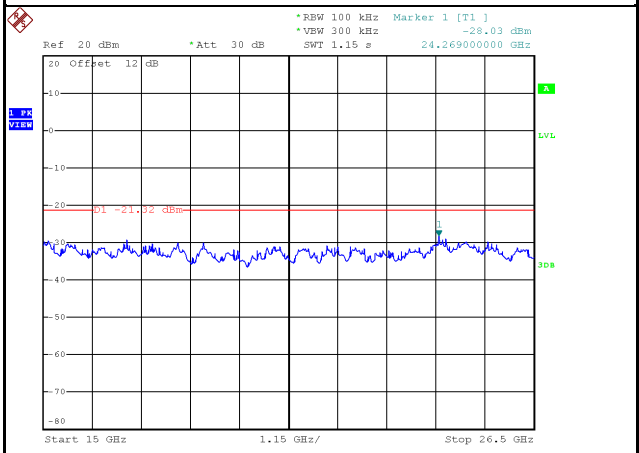
2452 MHz-10th Harmonics



Date: 14.DEC.2019 11:40:26



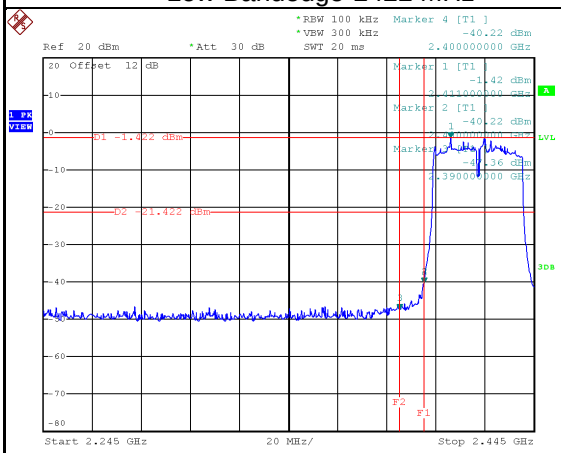
Date: 14.DEC.2019 11:40:33



Date: 14.DEC.2019 11:40:40

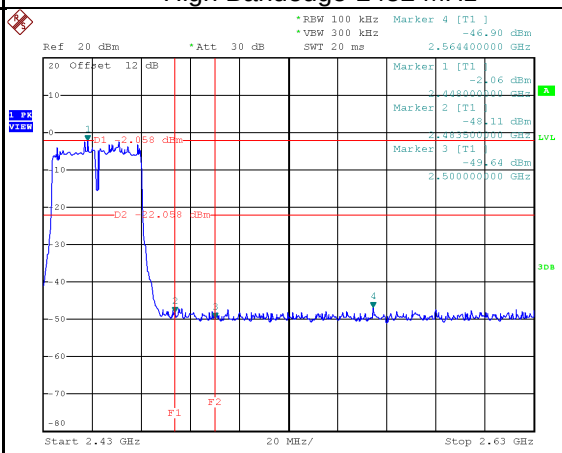
Test Mode	IEEE 802.11n (HT40)_ANT 4

Low Bandedge-2422 MHz



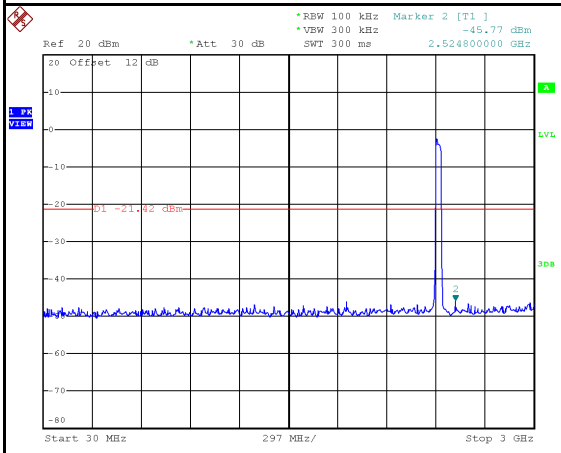
Date: 14.DEC.2019 11:26:07

High Bandedge-2452 MHz

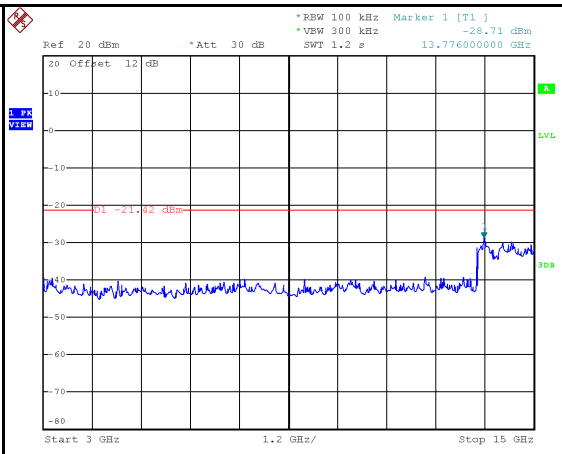


Date: 14.DEC.2019 11:41:33

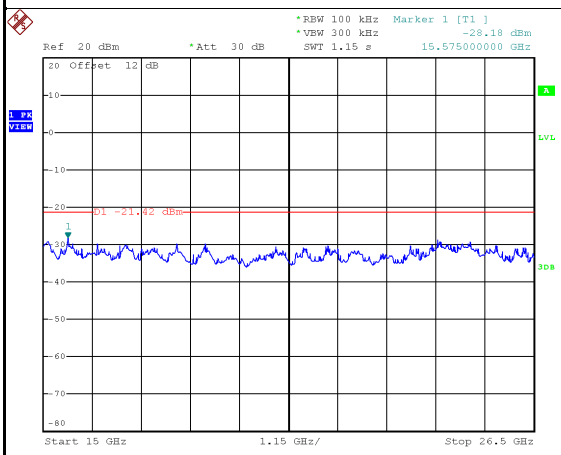
2422 MHz-10th Harmonics



Date: 14.DEC.2019 11:26:19



Date: 14.DEC.2019 11:26:26



Date: 14.DEC.2019 11:26:33

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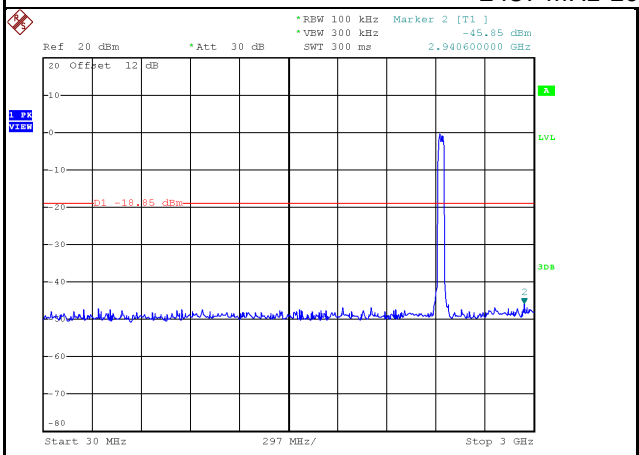
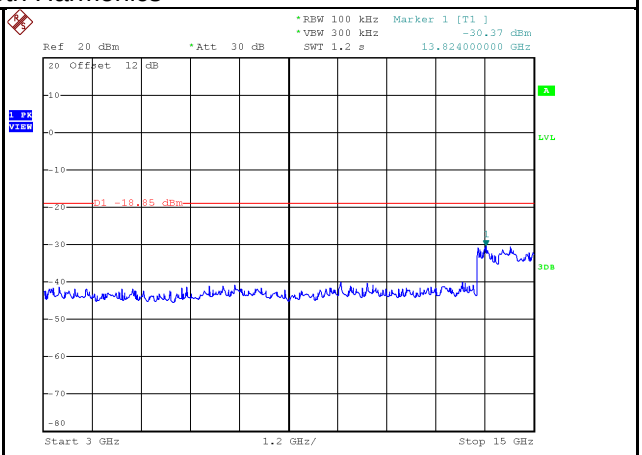
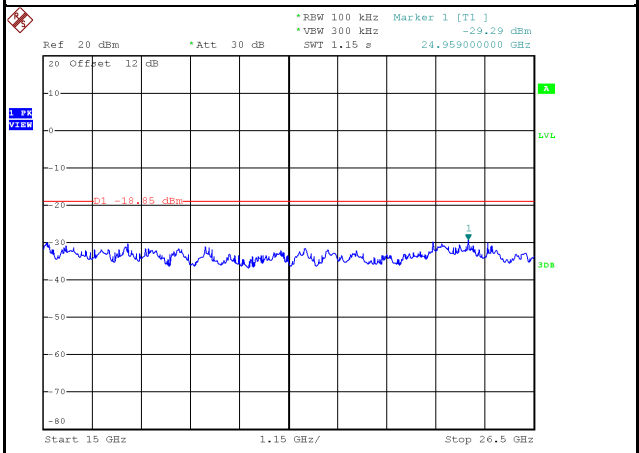
2437 MHz-10th Harmonics



Date: 10.DEC.2019 16:55:05

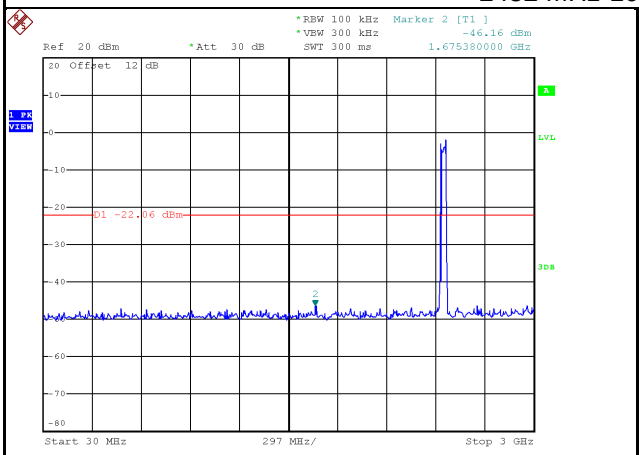


Date: 10.DEC.2019 16:55:11

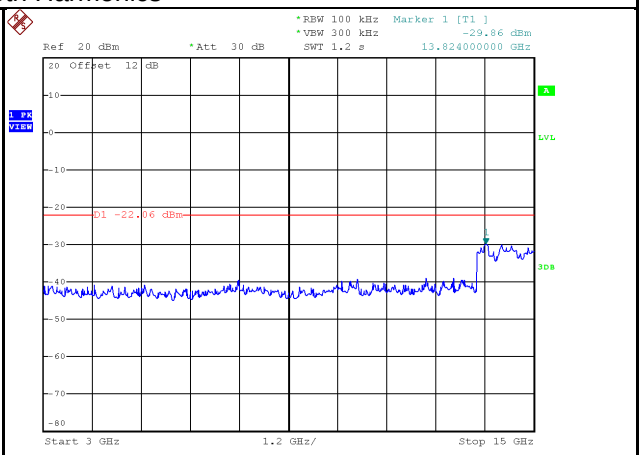


Date: 10.DEC.2019 16:55:18

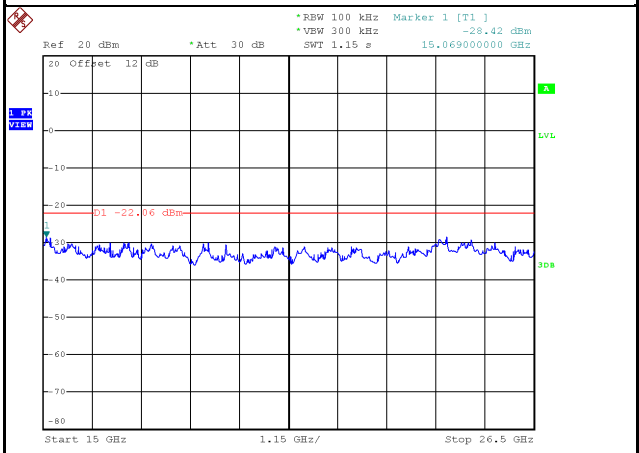
2452 MHz-10th Harmonics



Date: 14.DEC.2019 11:41:45



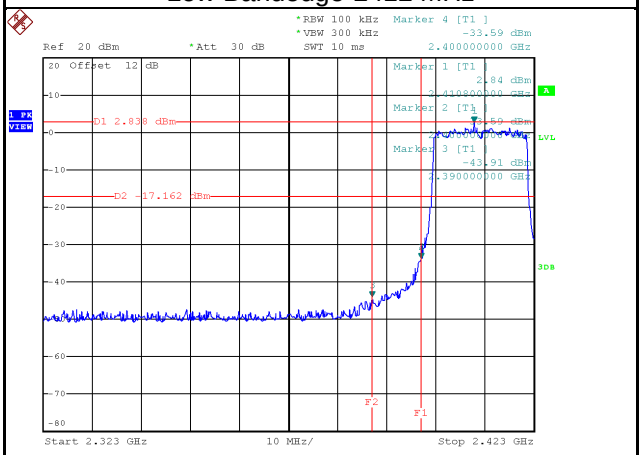
Date: 14.DEC.2019 11:41:52



Date: 14.DEC.2019 11:41:58

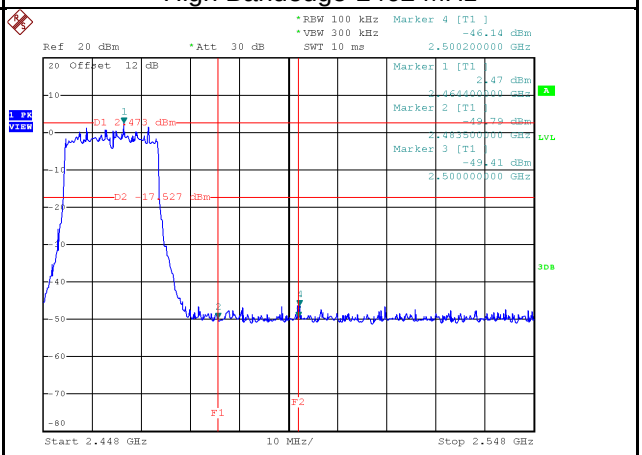
Test Mode	IEEE 802.11ax (HEW20)_ANT 1

Low Bandedge-2412 MHz



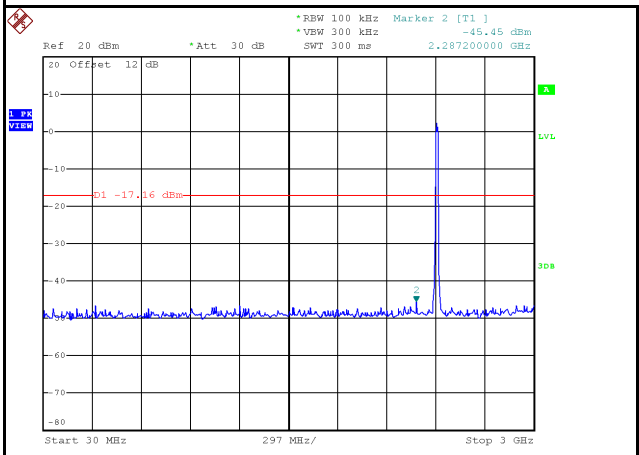
Date: 14.DEC.2019 14:02:39

High Bandedge-2462 MHz

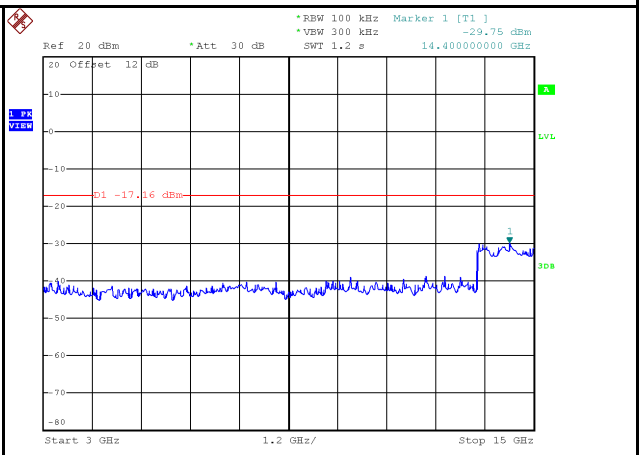


Date: 10.DEC.2019 18:14:24

2412 MHz-10th Harmonics



Date: 14.DEC.2019 14:02:51



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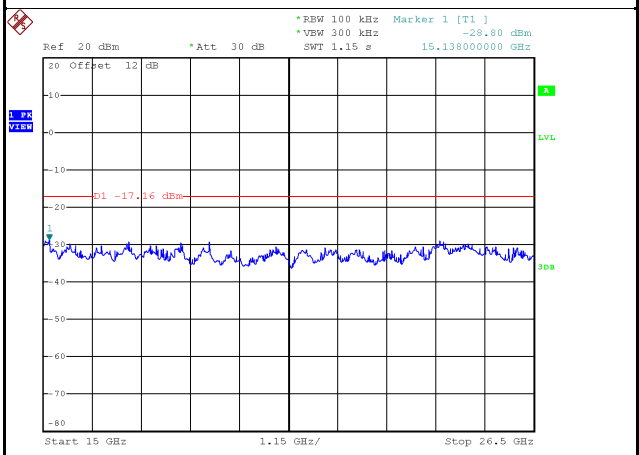

Date: 14.DEC.2019 14:03:05

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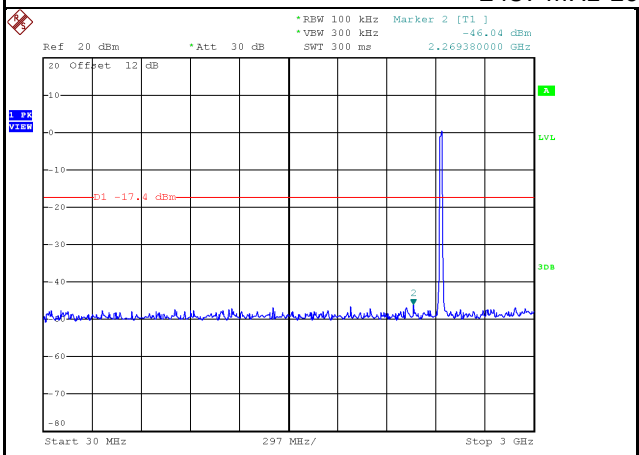
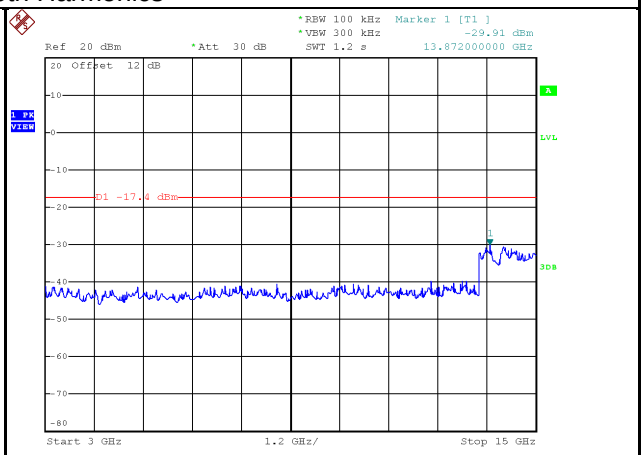
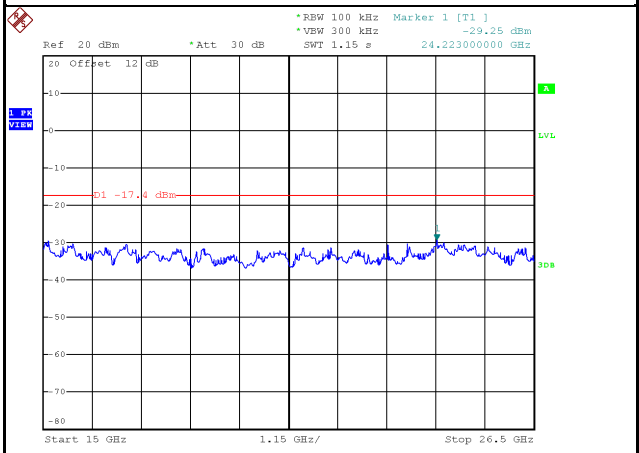
2437 MHz-10th Harmonics



Date: 10.DEC.2019 18:05:31

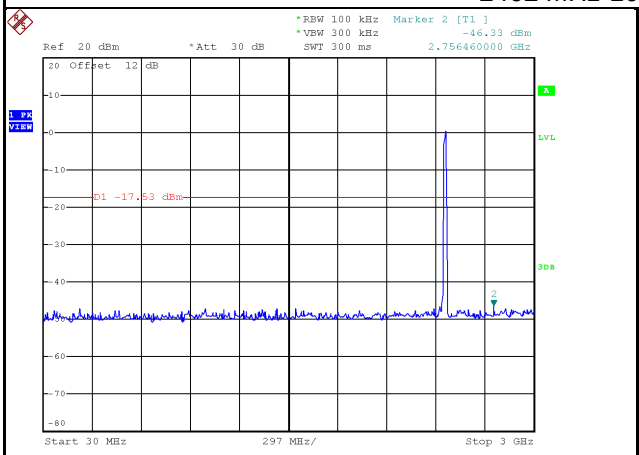


Date: 10.DEC.2019 18:05:38

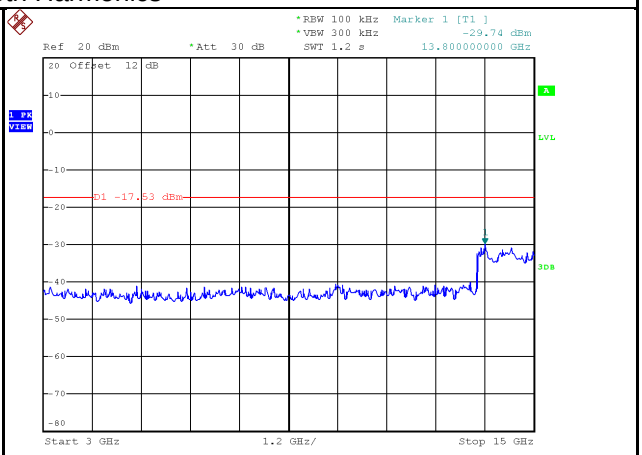


Date: 10.DEC.2019 18:05:45

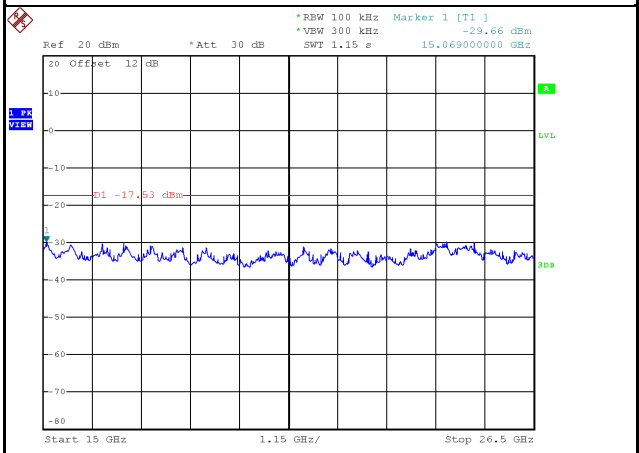
2462 MHz-10th Harmonics



Date: 10.DEC.2019 18:14:36



Date: 10.DEC.2019 18:14:43



Date: 10.DEC.2019 18:14:50