

802.11n-20 MHz LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11n-20 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



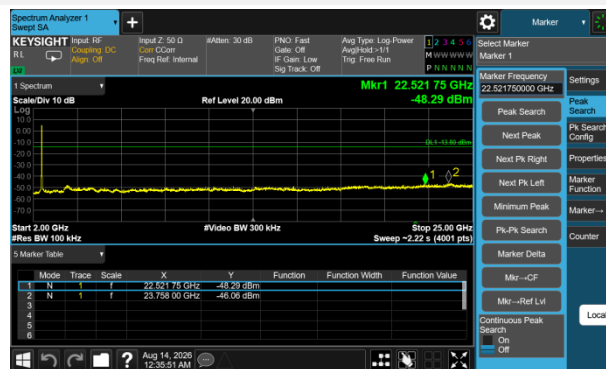
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



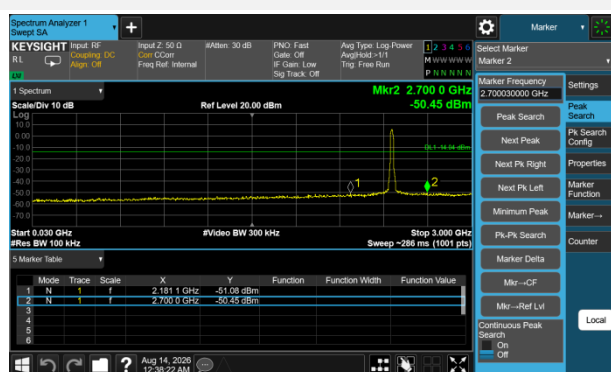
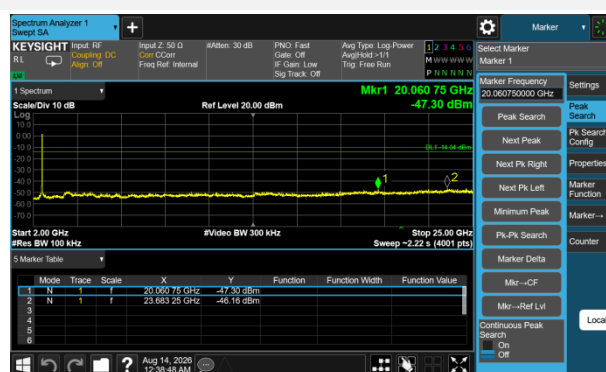
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



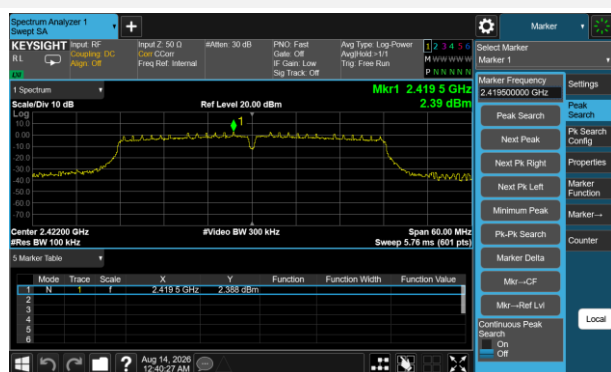
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



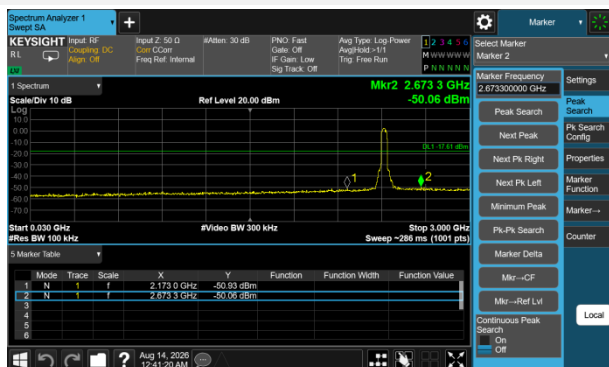
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL

802.11n-20 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

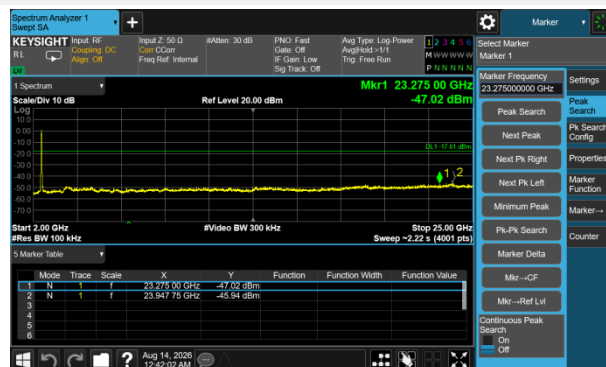
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL



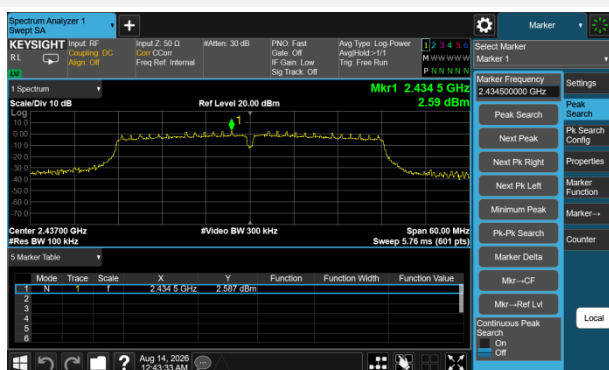
802.11n-40 MHz LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



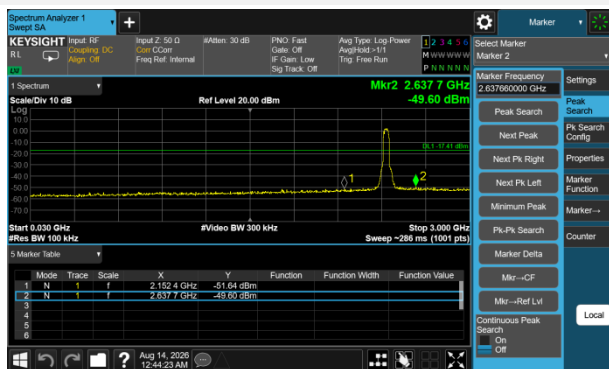
802.11n-40 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



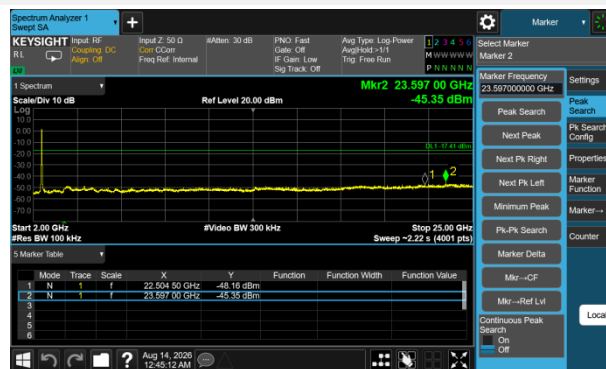
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



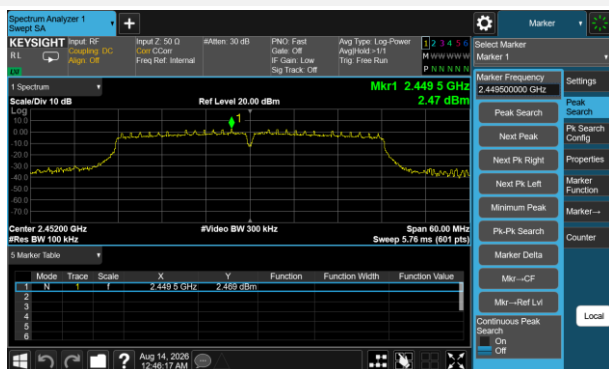
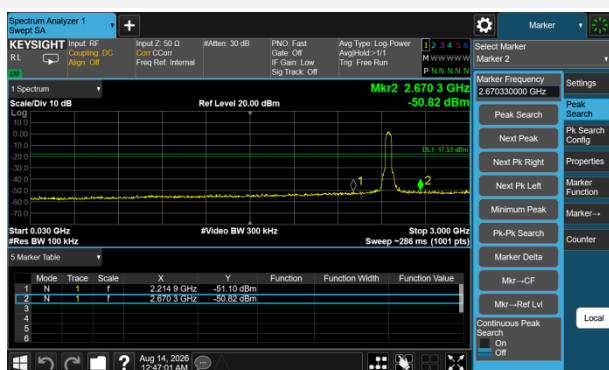
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL

802.11n-40 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

A.4 Band Edge (Authorized-band band-edge)

Note 1: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-44.03	6.65	-13.35	Pass
High	-50.44	6.49	-13.51	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-25.11	6.43	-13.57	Pass
High	-43.20	5.93	-14.07	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-24.51	6.23	-13.77	Pass
High	-40.83	5.96	-14.04	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-31.00	2.39	-17.61	Pass
High	-34.67	2.47	-17.53	Pass

Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL. BAND EDGE



802.11n-40 MHz LOW CHANNEL. BAND EDGE



802.11n-40 MHz HIGH CHANNEL. BAND EDGE



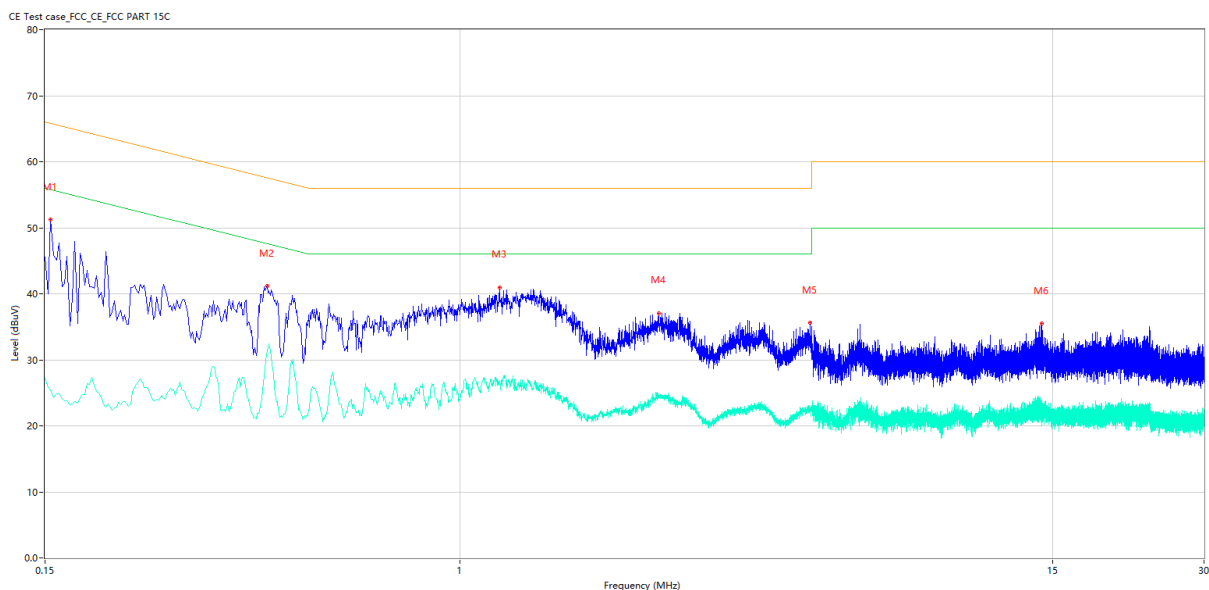
A.5 Conducted Emission

Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note 2: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

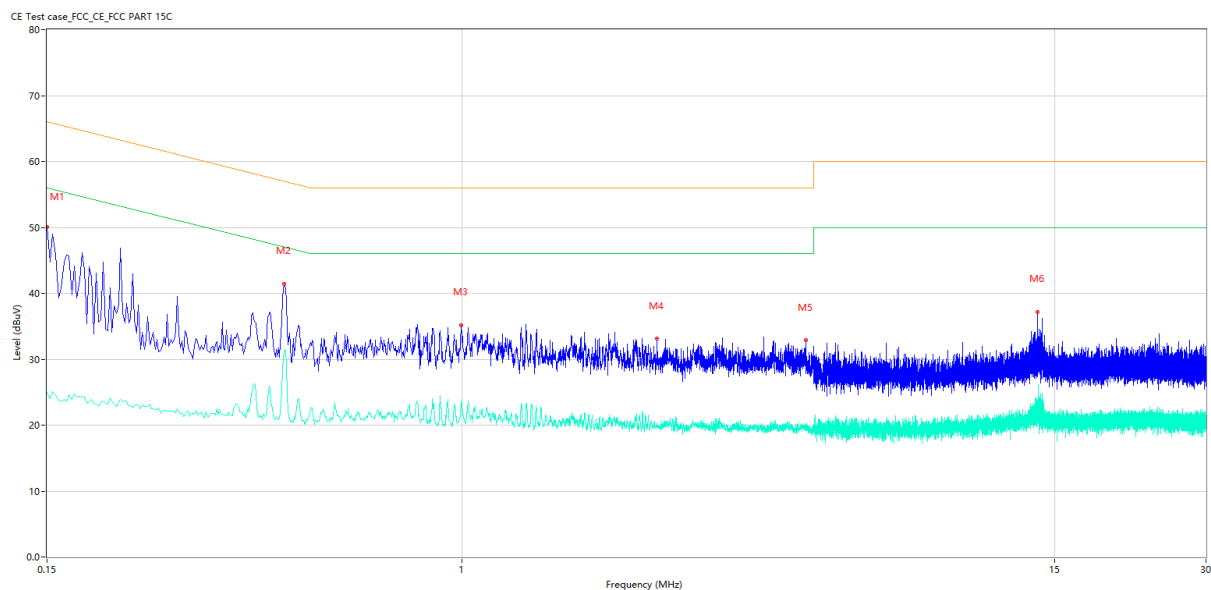
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.154	51.22	10.21	65.78	14.56	Peak	L	Pass
1**	0.154	25.40	10.21	55.78	30.38	AV	L	Pass
2	0.414	41.13	10.23	57.57	16.44	Peak	L	Pass
2**	0.414	31.37	10.23	47.57	16.20	AV	L	Pass
3	1.198	40.99	10.28	56.00	15.01	Peak	L	Pass
3**	1.198	26.90	10.28	46.00	19.10	AV	L	Pass
4	2.478	37.09	10.31	56.00	18.91	Peak	L	Pass
4**	2.478	24.22	10.31	46.00	21.78	AV	L	Pass
5	4.960	35.64	10.35	56.00	20.36	Peak	L	Pass
5**	4.960	22.55	10.35	46.00	23.45	AV	L	Pass
6	14.304	35.52	10.75	60.00	24.48	Peak	L	Pass
6**	14.304	23.38	10.75	50.00	26.62	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.150	50.10	10.22	66.00	15.90	Peak	N	Pass
1**	0.150	25.00	10.22	56.00	31.00	AV	N	Pass
2	0.444	41.46	10.14	56.99	15.53	Peak	N	Pass
2**	0.444	31.36	10.14	46.99	15.63	AV	N	Pass
3	0.996	35.19	10.14	56.00	20.81	Peak	N	Pass
3**	0.996	22.97	10.14	46.00	23.03	AV	N	Pass
4	2.442	33.13	10.16	56.00	22.87	Peak	N	Pass
4**	2.442	20.34	10.16	46.00	25.66	AV	N	Pass
5	4.818	32.91	10.19	56.00	23.09	Peak	N	Pass
5**	4.818	20.06	10.19	46.00	25.94	AV	N	Pass
6	13.870	37.20	10.56	60.00	22.80	Peak	N	Pass
6**	13.870	23.08	10.56	50.00	26.92	AV	N	Pass

A.6 Radiated Emission

Note 1: Please refer to the document “Ti-CC26080090-603 Data Part 1.pdf”.

Note 2: The symbol of “--” in the table which means not application.

Note 3: For the test data above 1 GHz, According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 4: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 5: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Note 6: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 7: The spurious above 18G is noise only, do not show on the report.

A.7 Band Edge (Restricted-band band-edge)

Note 1: Please refer to the document “Ti-CC26080090-603 Data Part 2.pdf”.

Note 2: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the plots for emissions values.

Note 3: The test data all are tested in the vertical and horizontal antenna which the trace is max hold.

Note 4: According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.16	8
Middle	-9.19	8
High	-7.32	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.23	8
Middle	-9.57	8
High	-7.84	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.35	8
Middle	-7.63	8
High	-9.79	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.96	8
Middle	-13.70	8
High	-16.50	8

Test Plots

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



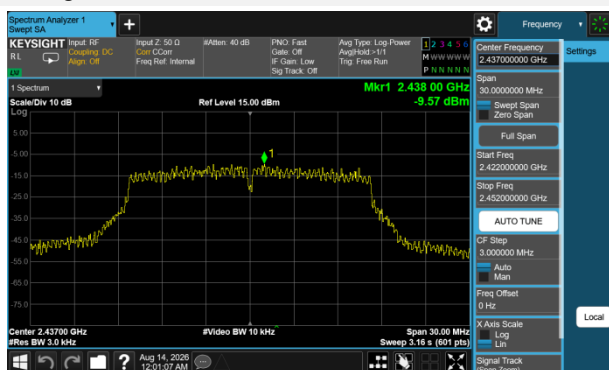
802.11b HIGH CHANNEL



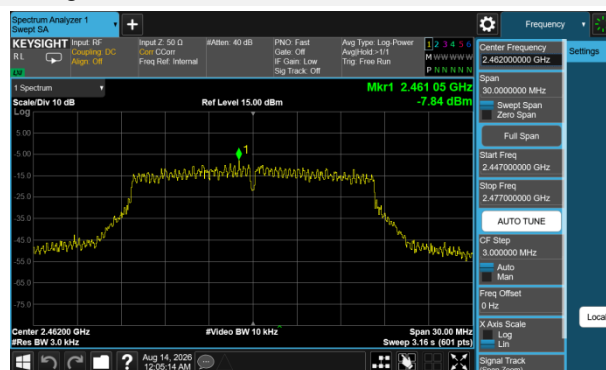
802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



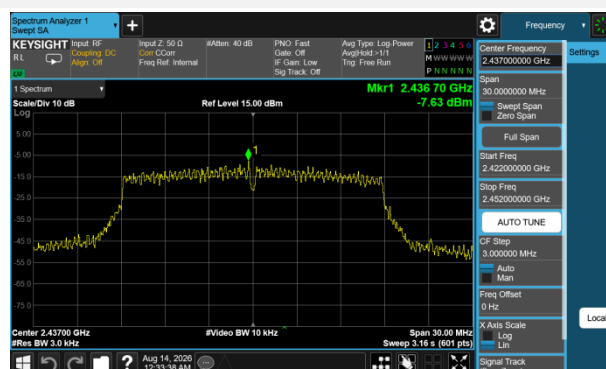
802.11g HIGH CHANNEL



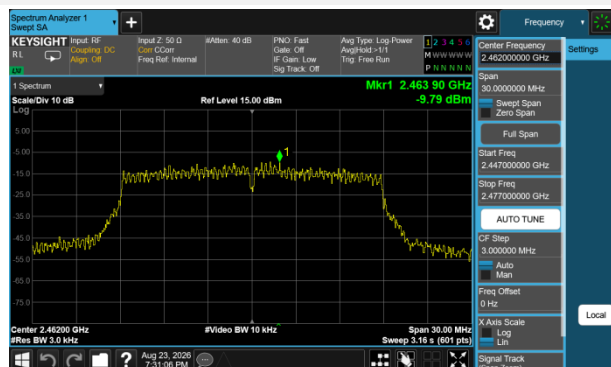
802.11n-20 MHz LOW CHANNEL



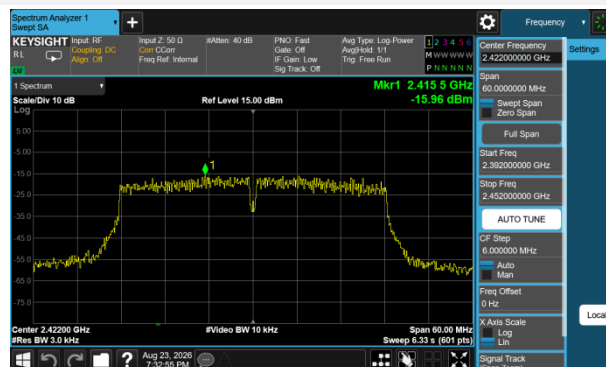
802.11 n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



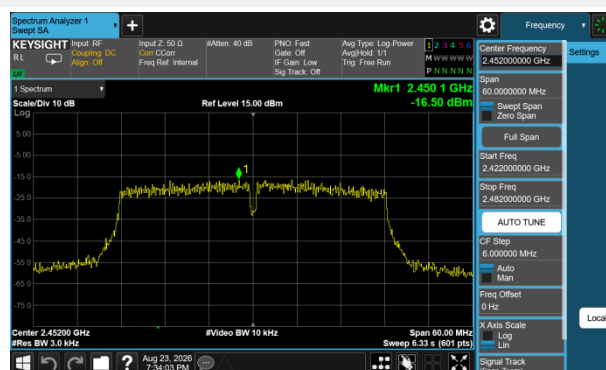
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-CC26080090-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26080090-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-CC26080090-AI.PDF”.

Statement

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--END OF REPORT--