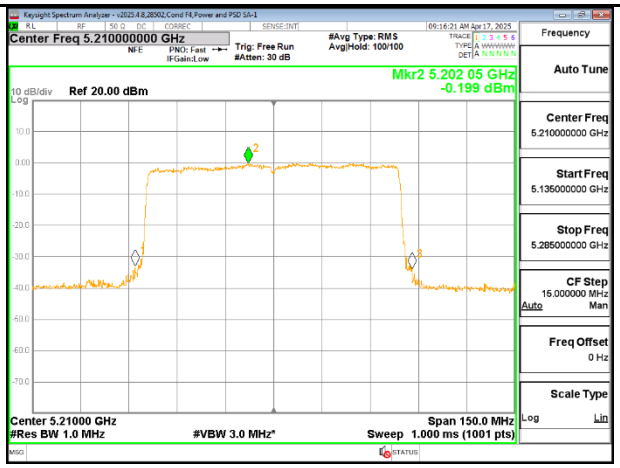
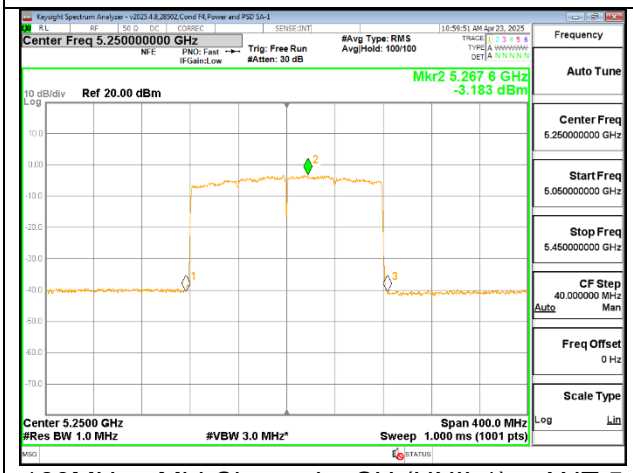
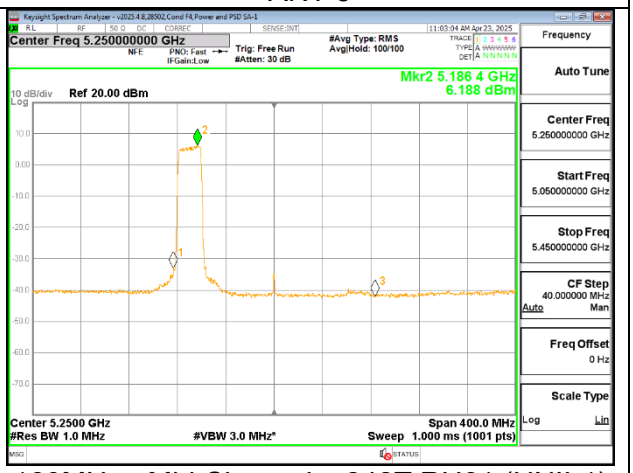


80MHz - Mid Channel – SU (UNII-1) – ANT 5

80MHz - Mid Channel – 242T RU61 (UNII-1) – ANT 5



160MHz - Mid Channel – SU (UNII-1) – ANT 5



160MHz - Mid Channel – 242T RU61 (UNII-1) – ANT 5

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9.5.11. 802.11be SISO MODE IN THE UNII-2A BAND

UNII-2A (SISO)	20MHz		40MHz		80MHz		160MHz	
	SU	52T	SU	242T	SU	242T	SU	242T
DCCF (MCS0) (dB)	0.13	0.00	0.24	0.00	0.42	0.00	0.62	0.00
Ant 6 (dBi)	-2.00							
Ant 5 (dBi)	-6.40							

UNII-1 (SISO)	
Straddle Channel	
Ant 6 (dBi)	-2.90
Ant 5 (dBi)	-7.80

UNII-2a (SISO)	Freq (MHz)	Ch. #	Tone	RU Index	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5
EHT20 (FCC)	5260	52	SU	--	19.04	19.00	23.80	23.79	19.96	20.43	19.96	20.43	11.00	11.00	9.136	9.532	9.266	9.662
			52T	37	18.36	18.21	23.64	23.60	14.95	15.09	14.95	15.09			10.658	10.829	10.658	10.829
				38	16.92	16.80	23.28	23.25	14.86	15.08	14.86	15.08			10.443	10.705	10.443	10.705
				40	18.25	18.19	23.61	23.60	14.87	15.04	14.87	15.04			10.430	10.520	10.430	10.520
	5300	60	SU	--	19.05	19.02	23.80	23.79	19.80	20.49	19.80	**20.49**			8.989	9.438	9.119	9.568
			52T	37	18.38	18.06	23.64	23.57	14.94	15.08	14.94	15.08			10.815	10.305	10.815	10.305
				38	16.93	16.78	23.29	23.25	15.03	15.09	15.03	15.09			10.430	10.402	10.430	10.402
				40	18.22	18.13	23.61	23.58	15.01	15.07	15.01	15.07			10.815	10.361	10.815	10.361
	5320	64	SU	--	19.06	19.01	23.80	23.79	18.40	18.47	18.40	18.47			7.589	7.164	7.719	7.294
			52T	37	18.38	18.21	23.64	23.60	14.85	15.06	14.85	15.06			10.208	10.375	10.208	10.375
				38	16.93	16.80	23.29	23.25	14.87	15.05	14.87	15.05			10.451	9.947	10.451	9.947
				40	18.26	18.19	23.61	23.60	14.89	15.04	14.89	15.04			10.653	10.266	10.653	10.266
EHT40 (FCC)	5270	54	SU	--	37.99	37.92	24.00	24.00	19.86	20.43	19.86	20.43	11.00	11.00	6.287	6.934	6.527	7.174
			242T	61	19.18	19.10	23.83	23.81	19.97	20.41	19.97	20.41			9.283	9.059	9.283	9.059
				62	19.11	19.04	23.81	23.80	19.92	20.45	19.92	**20.45**			9.167	8.911	9.167	8.911
	5310	62	SU	--	37.97	37.94	24.00	24.00	15.89	15.94	15.89	15.94			2.036	2.734	2.276	2.974
			242T															
				62	19.08	19.01	23.81	23.79	17.94	17.95	17.94	17.95			6.506	6.411	6.506	6.411
EHT80 (FCC)	5290	58	SU	--	77.63	77.45	24.00	24.00	16.47	16.44	16.47	16.44	11.00	11.00	-0.722	-0.580	-0.302	-0.160
			242T															
				64	19.16	19.24	23.82	23.84	17.96	17.98	17.96	**17.98**			6.999	6.780	6.999	6.780
EHT160 (FCC)	5250 (Straddle)	50	SU	--	156.43	156.31	24.00	24.00	15.95	15.94	15.95	15.94	11.00	11.00	-3.342	-2.632	-2.722	-2.012
			242T															
				S64	19.29	19.55	23.85	23.91	17.94	17.91	**17.94**	17.91			7.058	7.075	7.058	7.075

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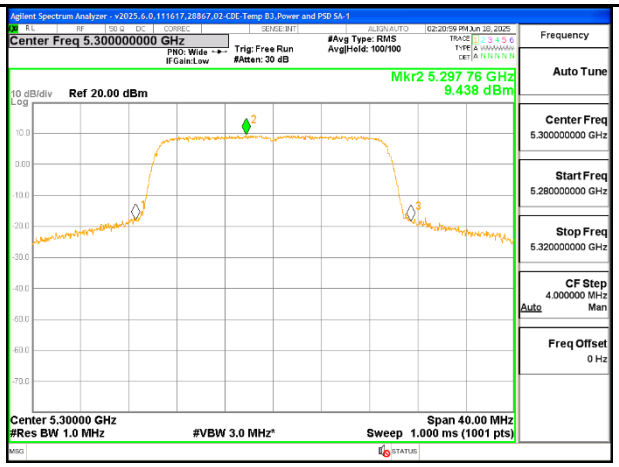
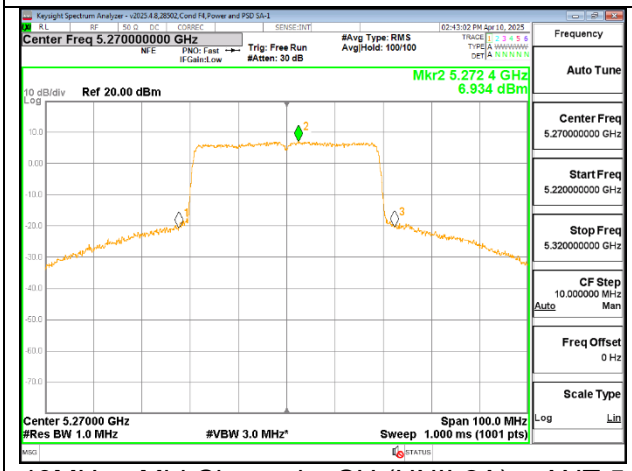
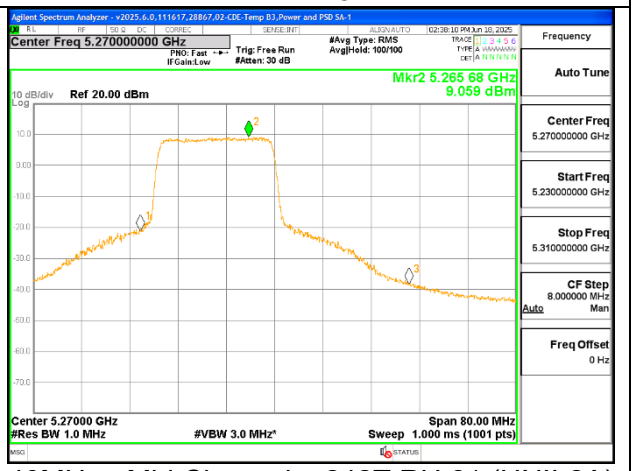


20MHz - Mid Channel – SU (UNII-2A) – ANT 5

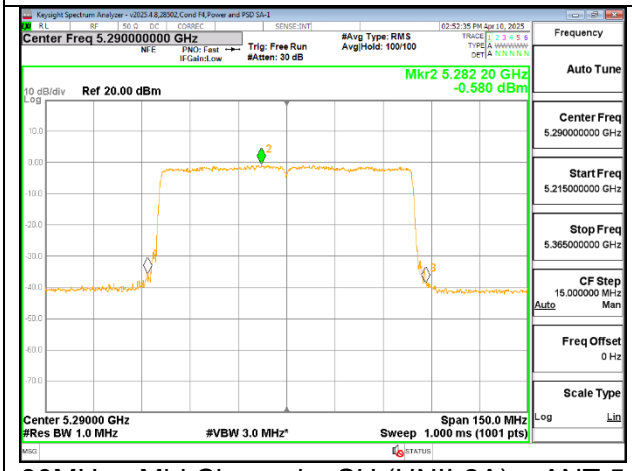
20MHz - Mid Channel – 52T RU37 (UNII-2A) – ANT 5



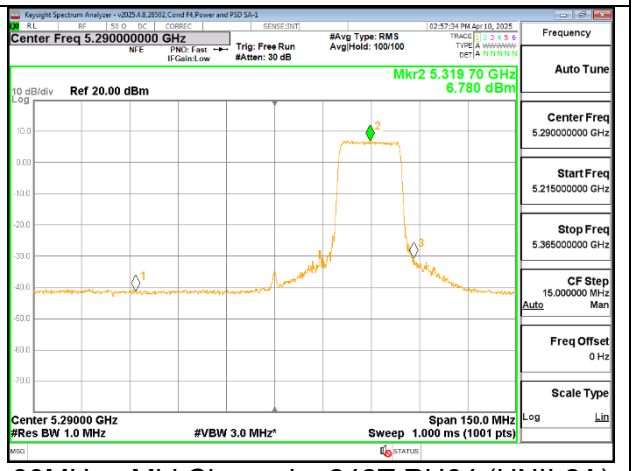
40MHz - Mid Channel – SU (UNII-2A) – ANT 5



40MHz - Mid Channel – 242T RU 61 (UNII-2A) – ANT 5



80MHz - Mid Channel – SU (UNII-2A) – ANT 5



80MHz - Mid Channel – 242T RU64 (UNII-2A) – ANT 5

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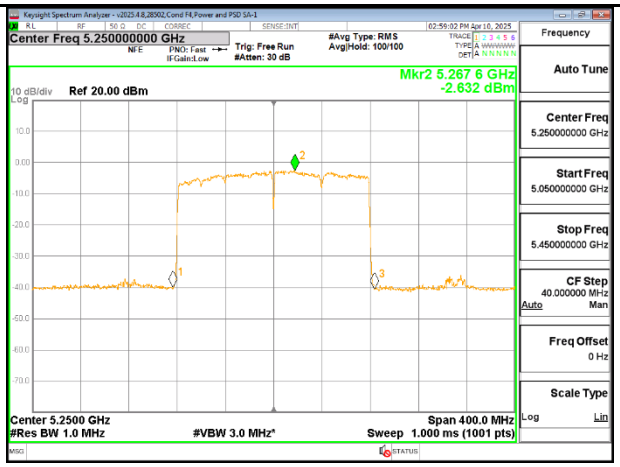
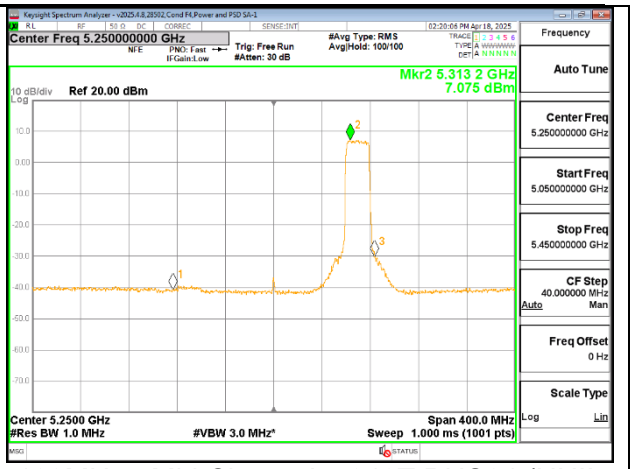


160MHz - Mid Channel – SU (UNII-2A) – ANT 5



160MHz - Mid Channel – 242T RUS64 (UNII-2A) – ANT 5

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9.5.12. 802.11be MIMO CDD MODE IN THE UNII-2A BAND

UNII-2a (MIMO CDD)	20MHz		40MHz		80MHz		160MHz	
	SU	52T	SU	242T	SU	242T	SU	242T
DCCF (MCS0) (dB)	0.13	0.00	0.24	0.00	0.42	0.00	0.62	0.00
Un-Correlated Gain (dBi)	-3.67							
Correlated Gain (dBi)	-0.91							

UNII-1 (MIMO CDD)	
Straddle Channel	
Un-Corr. Gain (dBi)	-4.69
Corr. Gain (dBi)	-2.00

UNII-2a (MIMO CDD)	Freq (MHz)	Ch. #	Tone	RU Index	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/MHz)	PSD (dBm/MHz)		Total MIMO Corrected PSD (dBm/MHz)
							Ant 6	Ant 5			Ant 6	Ant 5	
EHT20 (FCC)	5260	52	SU	--	19.03	23.79	18.40	18.48	**21.45**	11.00	6.735	6.819	9.918
			52T	37	18.21	23.60	11.98	11.95	14.98		6.413	6.370	9.402
				38	16.94	23.29	11.96	11.94	14.96		6.407	6.520	9.474
				40	18.19	23.60	11.93	11.93	14.94		6.665	6.640	9.663
	5300	60	SU	--	19.01	23.79	18.35	18.31	21.34		6.247	6.792	9.668
			52T	37	18.20	23.60	12.09	12.09	15.10		6.535	6.462	9.509
				38	16.77	23.25	12.08	12.06	15.08		6.476	6.531	9.514
				40	18.20	23.60	12.06	12.07	15.08		6.645	6.583	9.624
	5320	64	SU	--	18.99	23.79	17.46	17.40	20.44		5.920	5.778	8.990
			52T	37	18.19	23.60	11.85	11.85	14.86		6.284	6.337	9.321
				38	16.82	23.26	11.88	11.89	14.90		6.282	6.631	9.470
				40	18.20	23.60	11.85	11.87	14.87		6.487	6.704	9.607
EHT40 (FCC)	5270	54	SU	--	37.98	24.00	19.97	19.99	**22.99**	11.00	6.134	6.272	9.454
			242T	61	19.12	23.81	18.36	18.37	21.38		6.392	6.184	9.300
				62	19.15	23.82	18.38	18.38	21.39		6.055	6.333	9.207
	5310	62	SU	--	37.99	24.00	15.40	15.45	18.44		1.441	1.840	4.895
			242T										
				62	19.05	23.80	16.93	16.95	19.95		4.930	4.549	7.754
EHT80 (FCC)	5290	58	SU	--	77.64	24.00	15.43	15.45	18.45	11.00	-0.494	-0.906	2.735
			242T										
				64	19.14	23.82	16.90	16.92	**19.92**		6.346	6.379	9.373
EHT160 (FCC)	5250 (Straddle)	50	SU	--	155.92	24.00	15.40	15.40	18.41	11.00	-3.634	-3.183	0.228
			242T										
				64	19.30	23.86	16.89	16.96	**19.94**		6.773	7.174	9.988

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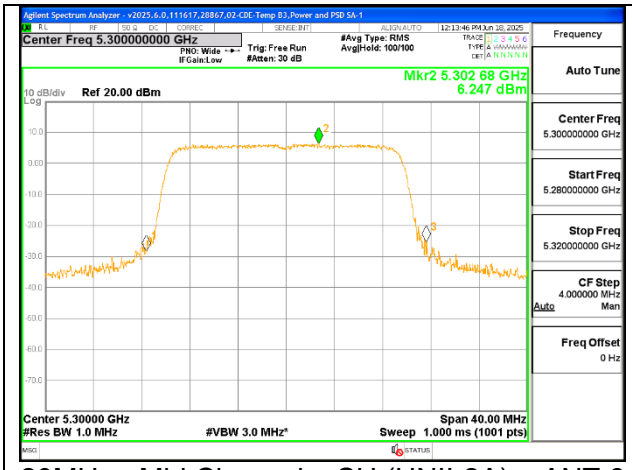
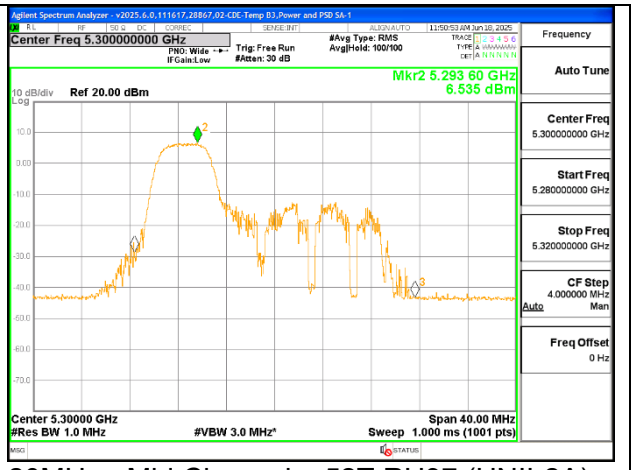
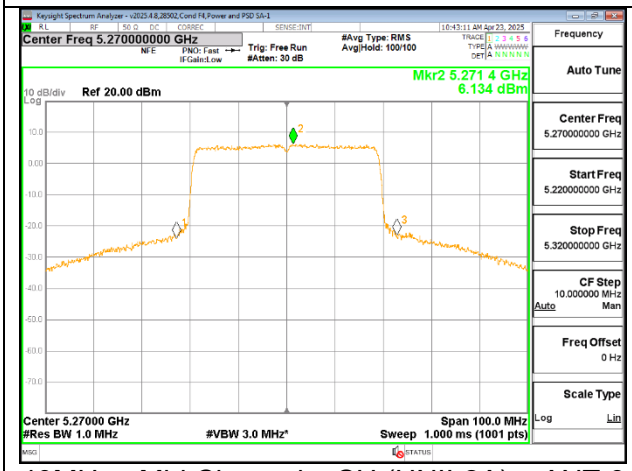


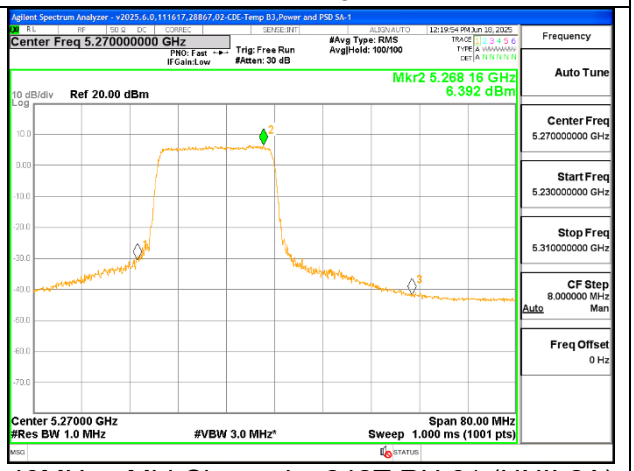
20MHz - Mid Channel – SU (UNII-2A) – ANT 6



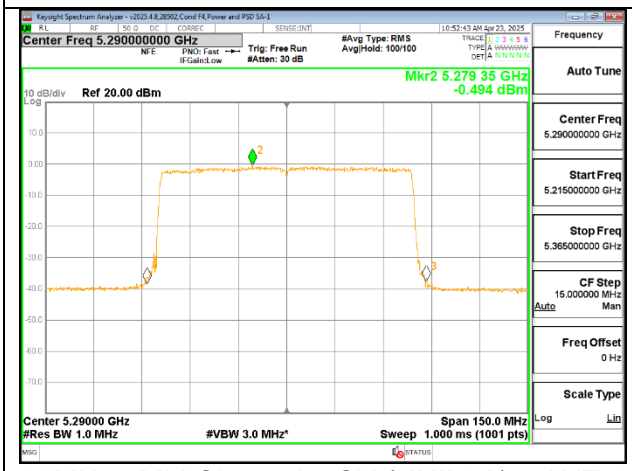
20MHz - Mid Channel – 52T RU37 (UNII-2A) – ANT 6



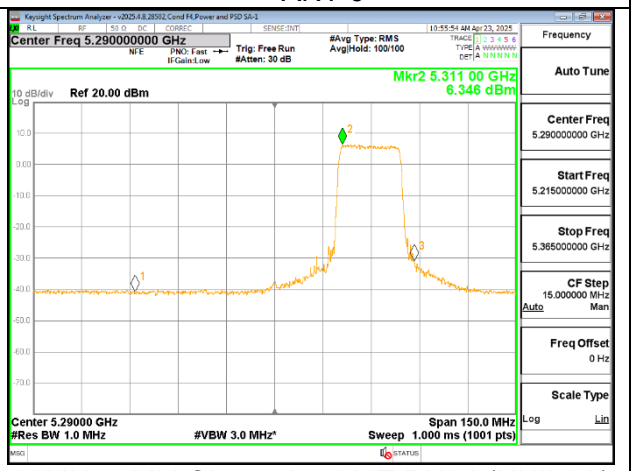
40MHz - Mid Channel – SU (UNII-2A) – ANT 6



40MHz - Mid Channel – 242T RU 61 (UNII-2A) – ANT 6



80MHz - Mid Channel – SU (UNII-2A) – ANT 6



80MHz - Mid Channel – 242T RU64 (UNII-2A) – ANT 6

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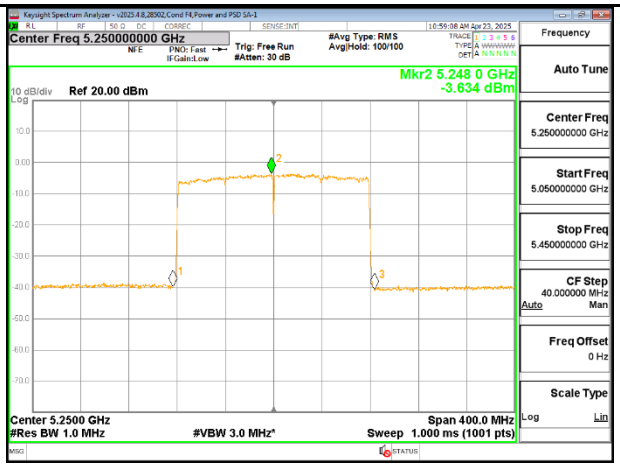

160MHz - Mid Channel – SU (UNII-2A) – ANT 6

160MHz - Mid Channel – 242T RUS64 (UNII-2A) – ANT 6

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9.5.13. 802.11be SISO MODE IN THE UNII-2C BAND

UNII-2C (SISO)	20MHz		40MHz		80MHz		160MHz	
	SU	52T	SU	242T	SU	242T	SU	242T
DCCF (MCS0) (dB)	0.13	0.00	0.24	0.00	0.42	0.00	0.62	0.00
Ant 6 (dBi)	0.80							
Ant 5 (dBi)	-6.00							

UNII-3 (SISO)	
Straddle Channel	
Ant 6 (dBi)	2.00
Ant 5 (dBi)	-6.40

UNII-2C (SISO)	Freq (MHz)	Ch. #	Tone	RU Index	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)	
					Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5
EHT20 (FCC)	5500	100	SU	--	19.04	18.99	23.80	23.79	18.42	18.49	18.42	18.49	11.00	11.00	8.159	8.969	8.289	9.099
			52T	37	18.38	18.22	23.64	23.60	14.75	14.94	14.75	14.94			10.210	10.086	10.210	10.086
				38	16.98	16.77	23.30	23.25	14.97	14.98	14.97	14.98			10.123	10.176	10.123	10.176
				40	18.25	18.10	23.61	23.58	14.99	14.95	14.99	14.95			10.145	10.021	10.145	10.021
	5580	116	SU	--	19.05	19.01	23.80	23.79	19.99	20.42	19.99	20.42			9.624	10.315	9.754	10.445
			52T	37	18.37	18.20	23.64	23.60	15.05	14.80	15.05	14.80			10.423	10.252	10.423	10.252
				38	17.01	16.83	23.31	23.26	15.04	14.97	15.04	14.97			10.389	10.164	10.389	10.164
				40	18.27	18.23	23.62	23.61	15.09	14.82	15.09	14.82			10.303	10.150	10.303	10.150
	5700	140	SU	--	19.04	19.03	23.80	23.79	16.94	16.78	16.94	16.78			7.487	7.487	7.617	7.617
			52T	37	18.38	18.24	23.64	23.61	15.29	14.93	15.29	14.93			10.860	10.542	10.860	10.542
				38	16.94	16.83	23.29	23.26	15.28	15.09	15.28	15.09			10.917	10.516	10.917	10.516
				40	18.22	18.12	23.61	23.58	15.26	15.08	15.26	15.08			10.843	10.574	10.843	10.574
	5720 (Straddle)	144	SU	--	19.06	19.03	23.80	23.80	19.89	20.43	19.89	**20.43**			9.856	10.027	9.986	10.157
			52T	37	18.44	18.21	23.66	23.60	14.96	14.91	14.96	14.91			10.145	10.224	10.145	10.224
				38	16.78	16.74	23.25	23.24	14.91	14.98	14.91	14.98			10.108	10.130	10.108	10.130
				40	18.30	18.15	23.62	23.59	14.90	14.93	14.90	14.93			10.263	10.108	10.263	10.108
EHT40 (FCC)	5510	102	SU	--	38.04	38.02	24.00	24.00	16.47	16.49	16.47	16.49	11.00	11.00	2.644	2.847	2.884	3.087
			242T	61	19.13	19.13	23.82	23.82	17.98	17.79	17.98	17.79			7.106	7.200	7.106	7.200
	5550	110	SU	--	38.04	38.00	24.00	24.00	19.93	20.44	19.93	20.44			6.227	6.187	6.467	6.427
			242T	61	19.16	19.12	23.82	23.81	19.91	20.42	19.91	20.42			9.507	9.294	9.507	9.294
				62	19.14	19.16	23.82	23.82	19.94	20.46	19.94	**20.46**			9.402	9.380	9.402	9.380
	5670	134	SU	--	37.98	37.91	24.00	24.00	17.98	17.91	17.98	17.91			4.224	4.354	4.464	4.594
			242T	61	19.14	19.10	23.82	23.81	19.75	20.40	19.75	20.40			9.409	9.292	9.409	9.292
				62	19.15	19.11	23.82	23.81	19.80	20.30	19.80	20.30			9.331	9.234	9.331	9.234
	5710 (Straddle)	142	SU	--	38.04	38.00	24.00	24.00	19.87	20.42	19.87	20.42			5.844	5.831	6.084	6.071
			242T	61	19.14	19.04	23.82	23.80	16.45	16.43	16.45	16.43			6.161	6.413	6.161	6.413
EHT80 (FCC)	5530	106	SU	--	77.61	77.63	24.00	24.00	14.99	14.91	14.99	14.91	11.00	11.00	-2.870	-3.067	-2.450	-2.647
			242T	61	19.18	19.16	23.83	23.82	17.98	17.89	17.98	17.89			8.677	8.406	8.677	8.406
	5610	122	SU	--	77.58	77.69	24.00	24.00	19.94	20.42	19.94	20.42			3.192	3.094	3.612	3.514
			242T	61	19.26	19.13	23.85	23.82	19.93	20.39	19.93	20.39			9.015	8.918	9.015	8.918
				62	19.23	19.13	23.84	23.82	19.98	20.47	19.98	20.47			9.135	8.557	9.135	8.557
				64	19.14	19.16	23.82	23.82	19.91	20.49	19.91	**20.49**			9.048	9.256	9.048	9.256
	5690 (Straddle)	138	SU	--	77.69	77.43	24.00	24.00	19.94	20.47	19.94	20.47			3.901	3.657	4.321	4.077
			242T															
				64	19.28	19.21	23.85	23.84	19.94	20.46	19.94	20.46			9.883	10.245	9.883	10.245
EHT160 (FCC)	5570	114	SU	--	156.37	156.34	24.00	24.00	15.98	15.83	15.98	15.83	11.00	11.00	-4.958	-4.973	-4.338	-4.353
			242T	61	19.39	19.31	23.88	23.86	17.99	17.96	**17.99**	17.96			6.288	6.275	6.288	6.275

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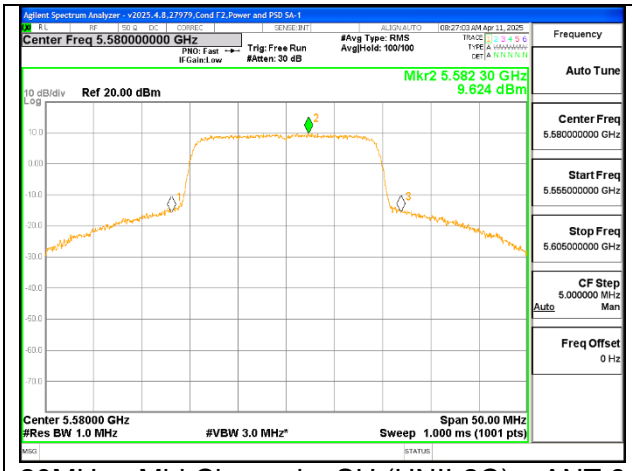
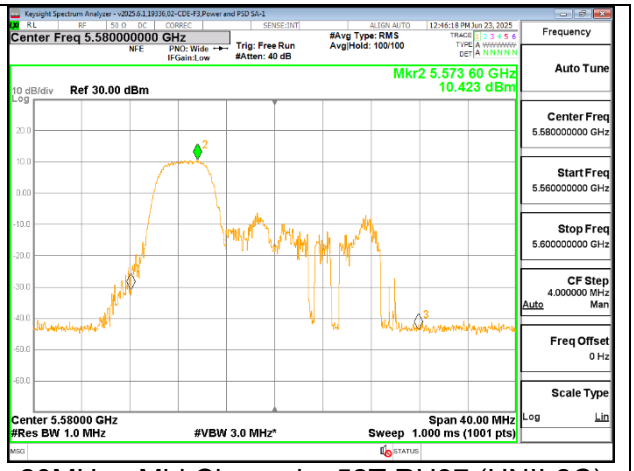
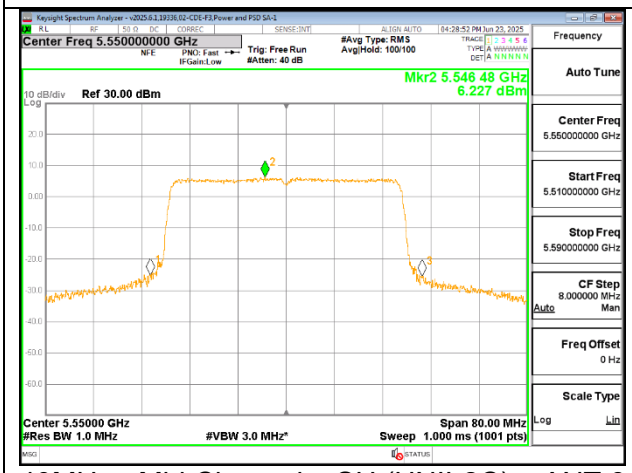


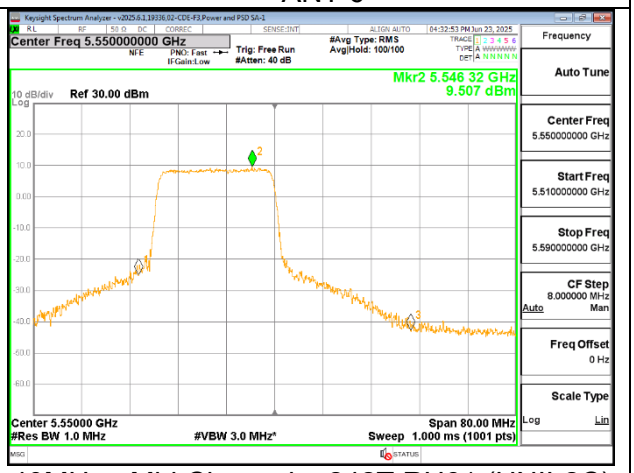
20MHz - Mid Channel – SU (UNII-2C) – ANT 6



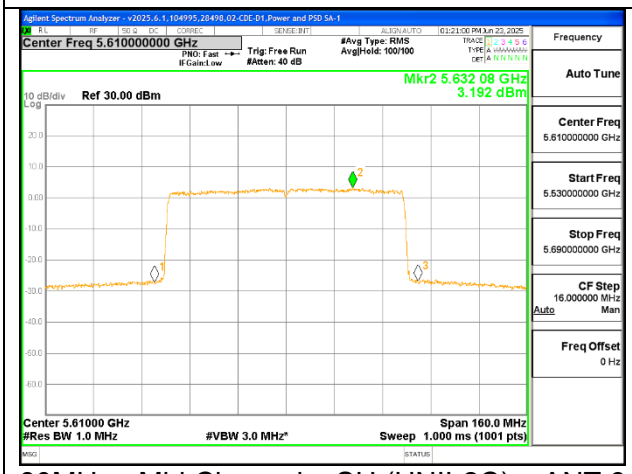
20MHz - Mid Channel – 52T RU37 (UNII-2C) – ANT 6



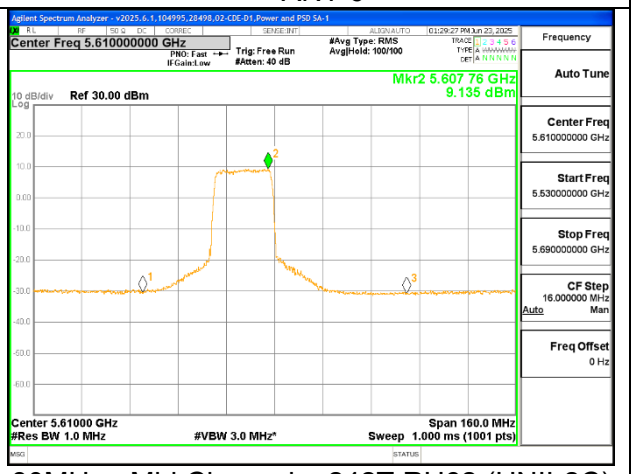
40MHz - Mid Channel – SU (UNII-2C) – ANT 6



40MHz - Mid Channel – 242T RU61 (UNII-2C) – ANT 6



80MHz - Mid Channel – SU (UNII-2C) – ANT 6



80MHz - Mid Channel – 242T RU62 (UNII-2C) – ANT 6

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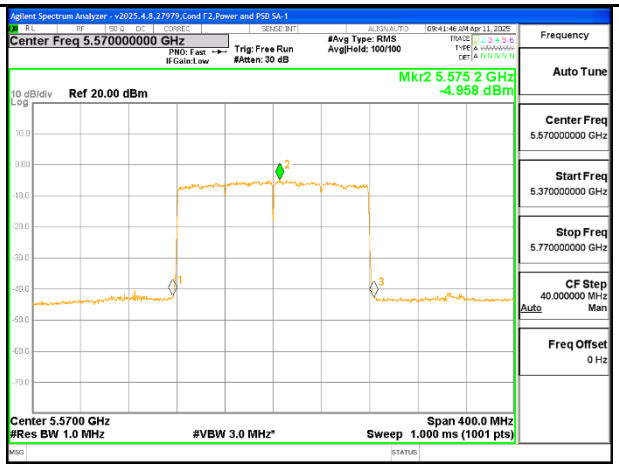

160MHz - Mid Channel – SU (UNII-2C) – ANT 6

160MHz - Mid Channel – 242T RU61 (UNII-2C) – ANT 6

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9.5.14. 802.11be MIMO CDD MODE IN THE UNII-2C BAND

UNII-2C (MIMO CDD)	20MHz		40MHz		80MHz		160MHz	
	SU	52T	SU	242T	SU	242T	SU	242T
DCCF (MCS0) (dB)	0.13	0.00	0.24	0.00	0.42	0.00	0.62	0.00
Un-Correlated Gain (dBi)	-1.39							
Correlated Gain (dBi)	1.06							

UNII-3 (MIMO CDD)	
Straddle Channel	
Un-Corr. Gain (dBi)	-0.42
Corr. Gain (dBi)	1.79

UNII-2C (MIMO CDD)	Freq (MHz)	Ch. #	Tone	RU Index	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/MHz)	PSD (dBm/MHz)		Total MIMO Corrected PSD (dBm/MHz)
							Ant 6	Ant 5			Ant 6	Ant 5	
EHT20 (FCC)	5500	100	SU	--	22.46	24.00	17.62	17.68	20.66	11.00	5.392	5.665	8.671
			52T	37	20.52	24.00	11.96	11.98	14.98		5.551	5.643	8.608
				38	18.41	23.65	11.91	11.97	14.95		5.900	5.829	8.875
				40	20.74	24.00	11.96	11.99	14.99		6.291	6.110	9.212
	5580	116	SU	--	22.79	24.00	18.46	18.45	**21.47**		6.589	5.793	9.350
			52T	37	20.80	24.00	11.97	11.94	14.97		5.666	5.837	8.763
				38	18.48	23.67	11.91	11.88	14.91		5.560	5.734	8.658
				40	20.40	24.00	11.94	11.98	14.97		5.987	6.342	9.178
	5700	140	SU	--	22.54	24.00	16.96	16.92	19.95		5.827	5.873	8.990
			52T	37	20.55	24.00	12.03	12.08	15.07		6.269	6.827	9.567
				38	18.43	23.66	12.06	12.07	15.08		6.366	6.362	9.374
				40	20.51	24.00	12.07	12.08	15.09		6.654	6.634	9.654
	5720 (Straddle)	144	SU	--	22.57	24.00	18.24	18.29	21.28		6.713	6.831	9.913
			52T	37	20.45	24.00	11.98	11.83	14.92		6.743	6.745	9.754
				38	18.46	23.66	11.89	11.96	14.94		6.531	6.383	9.468
				40	20.65	24.00	11.85	11.91	14.89		7.178	6.691	9.952
EHT40 (FCC)	5510	102	SU	--	43.68	24.00	15.41	15.45	18.44	11.00	1.047	1.192	4.370
			242T	61	23.52	24.00	16.98	16.94	19.97		6.114	6.138	9.136
	5550	110	SU	--	43.27	24.00	19.90	19.95	22.94		5.151	5.593	8.628
			242T	61	23.44	24.00	18.48	18.42	21.46		7.682	7.531	10.617
				62	23.14	24.00	18.49	18.47	21.49		7.783	7.569	10.688
	5670	134	SU	--	43.37	24.00	17.44	17.49	20.48		2.943	2.979	6.211
			242T	61	23.18	24.00	18.29	18.22	21.27		7.351	7.361	10.366
				62	23.10	24.00	18.27	18.27	21.28		7.379	7.314	10.357
	5710 (Straddle)	142	SU	--	43.40	24.00	19.98	19.92	**22.96**		5.162	5.361	8.513
			242T	61	23.36	24.00	15.92	15.90	18.92		5.392	5.447	8.430
EHT80 (FCC)	5530	106	SU	--	84.39	24.00	14.47	14.47	17.48	11.00	-4.977	-4.859	-1.487
			242T	61	23.40	24.00	16.94	16.99	19.98		4.946	4.477	7.728
	5610	122	SU	--	84.75	24.00	19.96	19.92	**22.95**		2.374	2.387	5.811
			242T	61	23.08	24.00	18.27	18.23	21.26		5.279	5.582	8.443
				62	23.06	24.00	18.27	18.26	21.28		5.083	4.940	8.022
				64	22.91	24.00	18.26	18.28	21.28		5.446	5.424	8.445
	5690 (Straddle)	138	SU	--	84.04	24.00	19.93	19.94	22.95		2.553	2.641	6.028
			242T	64	23.54	24.00	18.24	18.25	21.26		5.854	5.944	8.910
EHT160 (FCC)	5570	114	SU	--	163.90	24.00	15.41	15.47	18.45	11.00	-4.759	-4.987	-1.241
			242T	61	23.22	24.00	16.93	16.98	**19.97**		4.838	4.469	7.668

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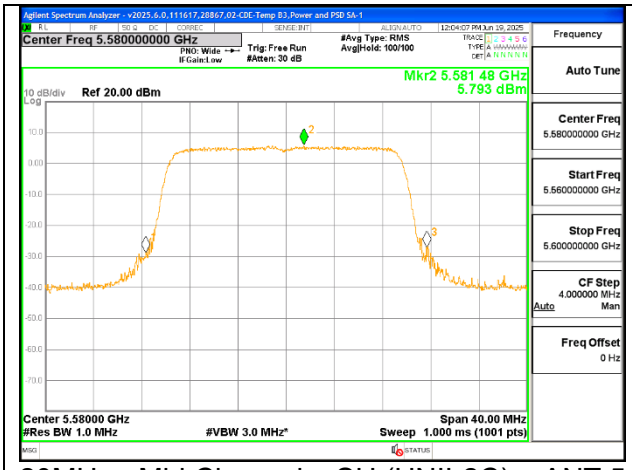
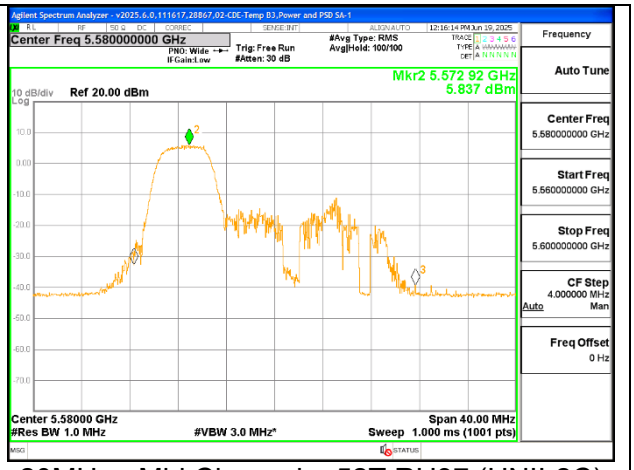
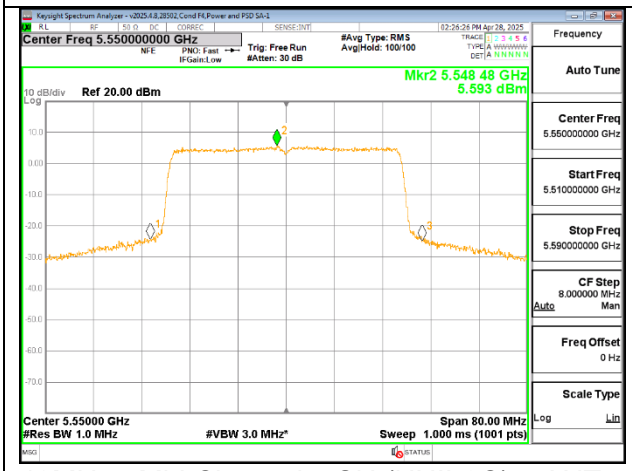


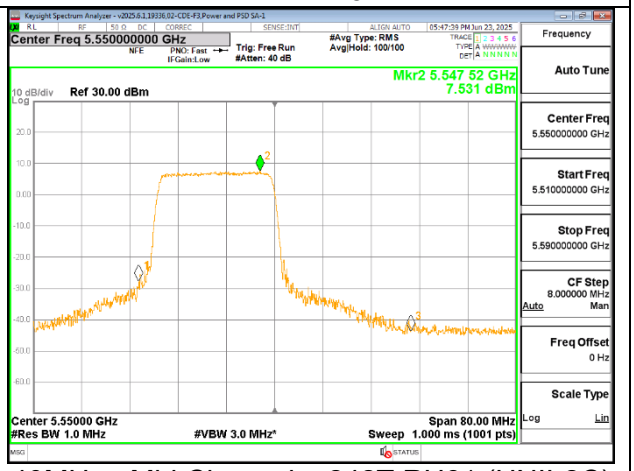
20MHz - Mid Channel – SU (UNII-2C) – ANT 5



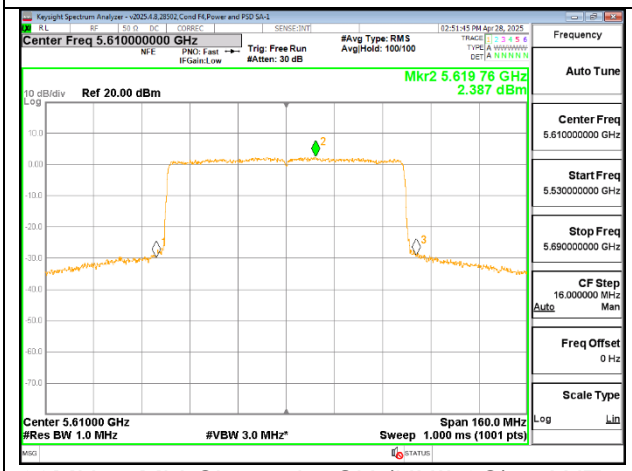
20MHz - Mid Channel – 52T RU37 (UNII-2C) – ANT 5



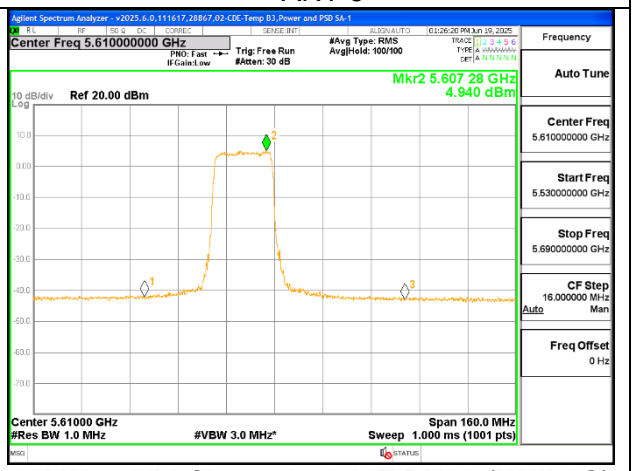
40MHz - Mid Channel – SU (UNII-2C) – ANT 5



40MHz - Mid Channel – 242T RU61 (UNII-2C) – ANT 5



80MHz - Mid Channel – SU (UNII-2C) – ANT 5



80MHz - Mid Channel – 242T RU62 (UNII-2C) – ANT 5

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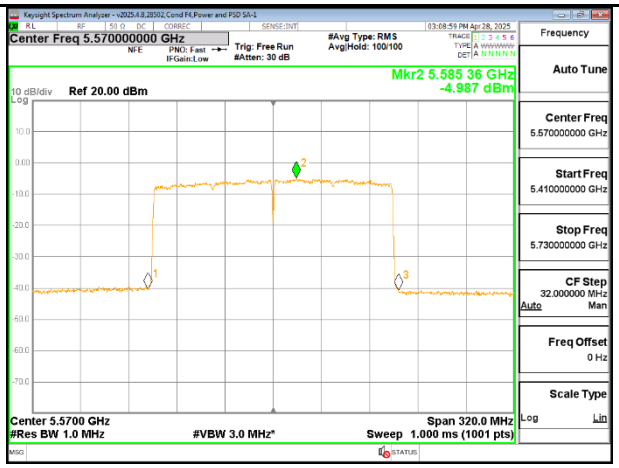
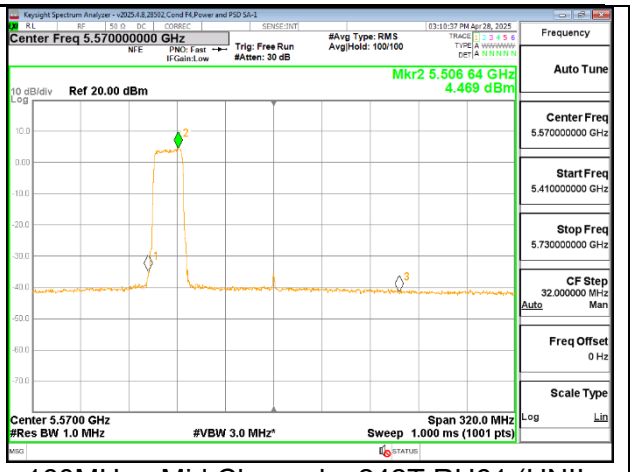


160MHz - Mid Channel – SU (UNII-2C) – ANT 5



160MHz - Mid Channel – 242T RU61 (UNII-2C) – ANT 5

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9.5.15. 802.11be SISO MODE IN THE UNII-3 BAND

UNII-3 (SISO)	20MHz		40MHz		80MHz		160MHz	
	SU	26T	SU	106T	SU	106T	SU	242T
DCCF (MCS0) (dB)	0.13	0.10	0.24	0.00	0.42	0.00	N/A	
Ant 6 (dBi)	2.00							
Ant 5 (dBi)	-6.40							

UNII-3 (SISO)	Freq (MHz)	Ch. #	Tone	RU Index	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/500kHz)		PSD (dBm/500kHz)		Total Corrected PSD (dBm/500kHz)	
					Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5
EHT20	5745	149	SU	--	--		30	30	19.89	20.43	19.89	20.43	30	30	5.302	7.008	5.432	7.138
			26T	0					19.83	20.34	19.83	20.34			15.618	16.163	15.718	16.263
				4					19.92	20.42	19.92	20.42			15.487	15.913	15.587	16.013
				8					19.00	20.30	19.00	20.30			15.388	15.713	15.488	15.813
	5785	157	SU	--					19.88	20.42	19.88	20.42			5.084	6.860	5.214	6.990
			26T	0					19.91	20.40	19.91	20.40			15.697	16.136	15.797	16.236
				4					19.96	20.36	19.96	20.36			15.362	15.835	15.462	15.935
				8					19.76	20.33	19.76	20.33			15.526	16.181	15.626	16.281
	5825	165	SU	--					19.91	20.49	19.91	**20.49**			5.289	7.382	5.419	7.512
			26T	0					19.95	20.41	19.95	20.41			15.602	16.367	15.702	16.467
				4					19.93	20.27	19.93	20.27			15.297	15.993	15.397	16.093
				8					19.90	20.39	19.90	20.39			15.603	15.801	15.703	15.901
EHT40	5755	151	SU	--	--		30	30	19.89	20.38	19.89	20.38	30	30	2.233	4.116	2.473	4.356
			106T	53					19.83	20.40	19.83	20.40			8.511	9.788	8.511	9.788
				54					19.94	20.25	19.94	20.25			8.510	9.789	8.510	9.789
				56					19.88	20.32	19.88	20.32			8.299	9.800	8.299	9.800
	5795	159	SU	--					19.90	20.44	19.90	20.44			2.585	4.311	2.825	4.551
			106T	53					19.92	20.35	19.92	20.35			8.919	9.992	8.919	9.992
				54					19.91	20.44	19.91	**20.44**			8.736	10.296	8.736	10.296
				56					19.98	20.37	19.98	20.37			9.222	10.091	9.222	10.091
EHT80	5775	155	SU	--	--		30	30	19.90	20.48	19.90	**20.48**	30	30	0.935	0.975	1.355	1.395
			106T	53					19.96	20.41	19.96	20.41			9.580	9.755	9.580	9.755
				56					19.99	20.33	19.99	20.33			9.593	9.802	9.593	9.802
				60					19.98	20.40	19.98	20.40			10.023	10.028	10.023	10.028

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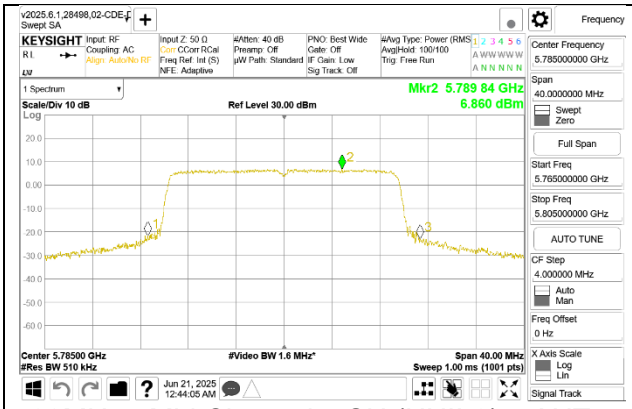
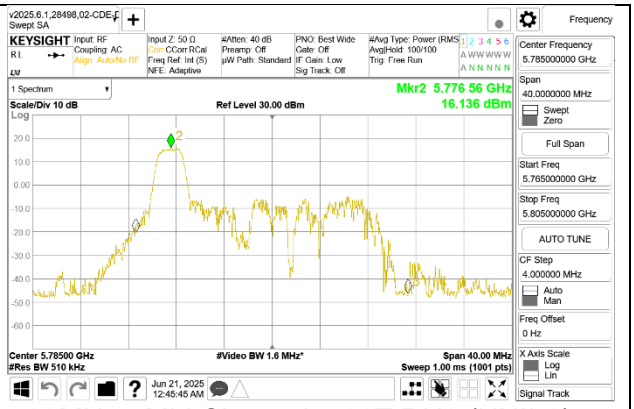
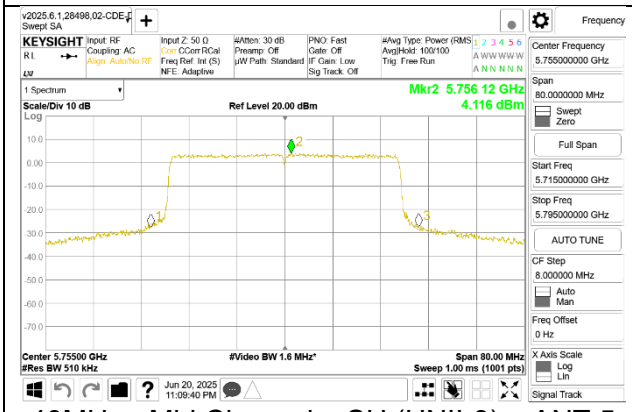


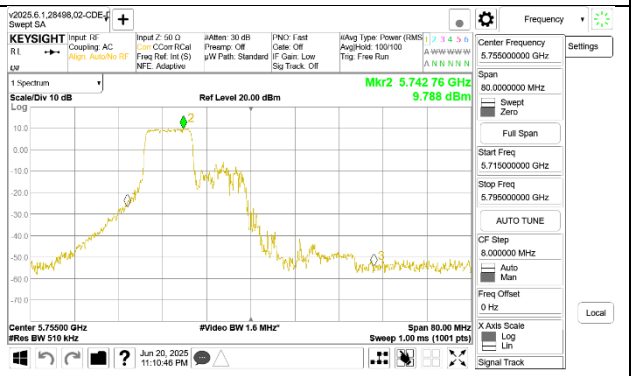
20MHz - Mid Channel – SU (UNII-3) – ANT 5



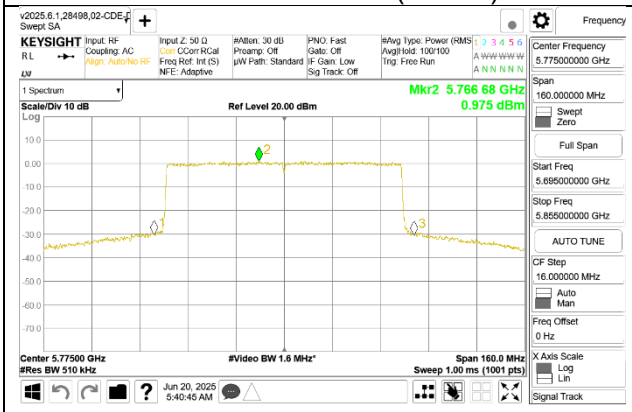
20MHz - Mid Channel – 26T RU0 (UNII-3) – ANT 5



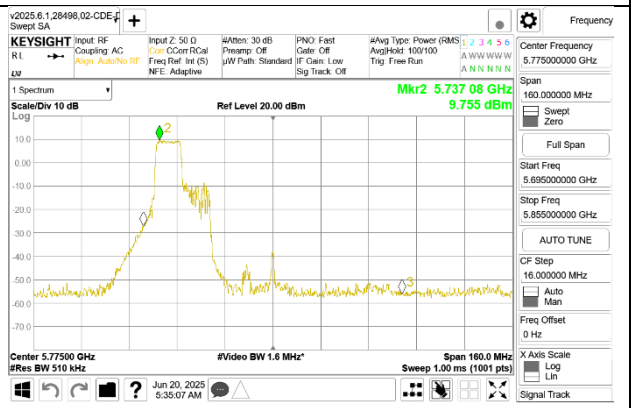
40MHz - Mid Channel – SU (UNII-3) – ANT 5



40MHz - Mid Channel – 106T RU53 (UNII-3) – ANT 5



80MHz - Mid Channel – SU (UNII-3) – ANT 5



80MHz - Mid Channel – 106T RU53 (UNII-3) – ANT 5

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9.5.16. 802.11be MIMO CDD MODE IN THE UNII-3 BAND

UNII-3 (MIMO CDD)	20MHz		40MHz		80MHz		160MHz	
	SU	26T	SU	106T	SU	106T	SU	242T
DCCF (MCS0) (dB)	0.13	0.10	0.24	0.00	0.42	0.00	N/A	
Un-Correlated Gain (dBi)	-0.42							
Correlated Gain (dBi)	1.79							

UNII-3 (MIMO CDD)	Freq (MHz)	Ch. #	Tone	RU Index	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/500kHz)	PSD (dBm/500kHz)		Total MIMO Corrected PSD (dBm/500kHz)
							Ant 6	Ant 5			Ant 6	Ant 5	
EHT20	5745	149	SU	--	--	30	19.94	19.99	22.97	30	6.074	6.095	9.225
			26T	0			19.95	19.99	**22.98**		14.407	14.577	17.603
				4			19.91	19.92	22.93		14.394	14.381	17.498
				8			19.89	19.89	22.90		14.601	14.858	17.842
	5785	157	SU	--			19.92	19.96	22.95		6.315	6.137	9.367
			26T	0			19.90	19.94	22.93		14.624	14.707	17.776
				4			19.90	19.87	22.90		14.483	14.447	17.575
				8			19.94	19.91	22.94		14.468	14.756	17.725
	5825	165	SU	--			19.83	19.93	22.89		6.572	6.683	9.768
			26T	0			19.97	19.87	22.93		14.447	14.557	17.613
				4			19.88	19.92	22.91		14.433	14.363	17.508
				8			19.89	19.95	22.93		14.648	14.594	17.731
EHT40	5755	151	SU	--	--	30	19.98	19.99	**22.99**	30	2.959	3.179	6.321
			106T	53			19.86	19.92	22.90		8.676	8.514	11.606
				54			19.93	19.83	22.89		8.471	8.413	11.452
				56			19.96	19.72	22.85		8.784	8.198	11.511
	5795	159	SU	--			19.98	19.96	22.98		3.159	3.329	6.495
			106T	53			19.93	19.95	22.95		9.267	8.764	12.033
				54			19.92	19.97	22.96		9.333	8.730	12.052
				56			19.91	19.99	22.96		9.430	9.040	12.250
EHT80	5775	155	SU	--	--	30	19.86	19.98	22.93	30	-0.061	0.182	3.492
			106T	53			19.99	19.97	**22.99**		8.297	8.506	11.413
				56			19.90	19.94	22.93		8.822	9.112	11.980
				60			19.92	19.93	22.93		8.904	8.957	11.941

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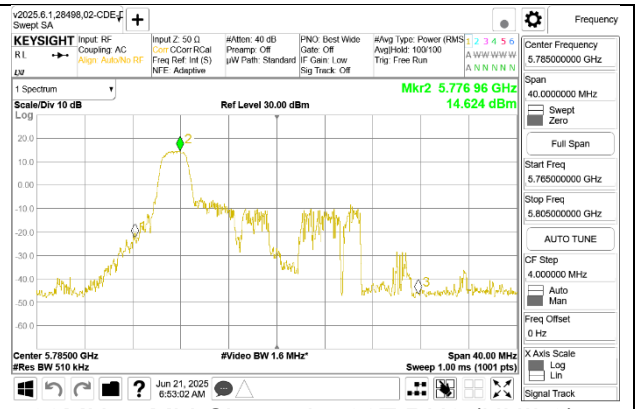
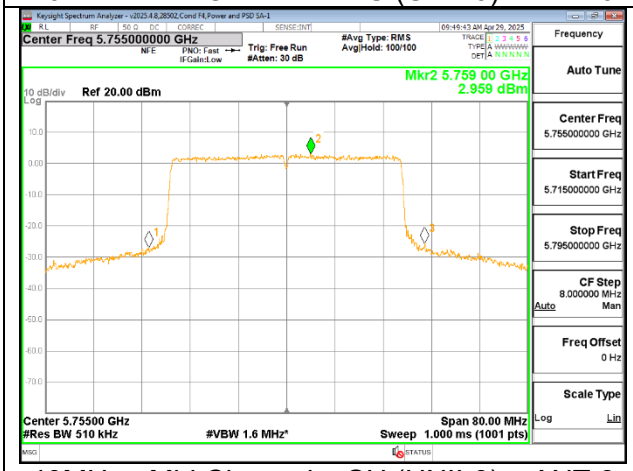
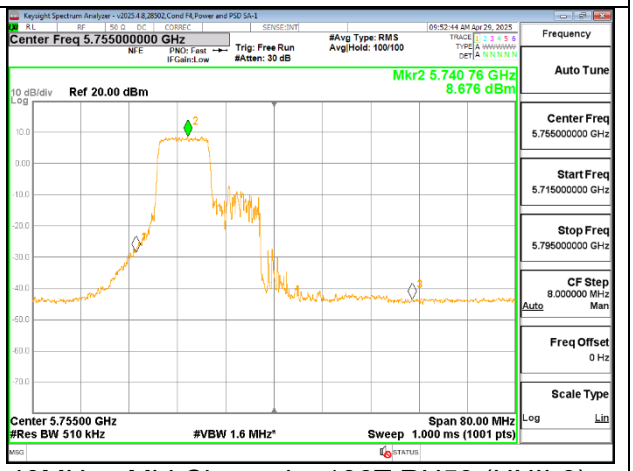
20MHz - Mid Channel – SU (UNII-3) – ANT 6



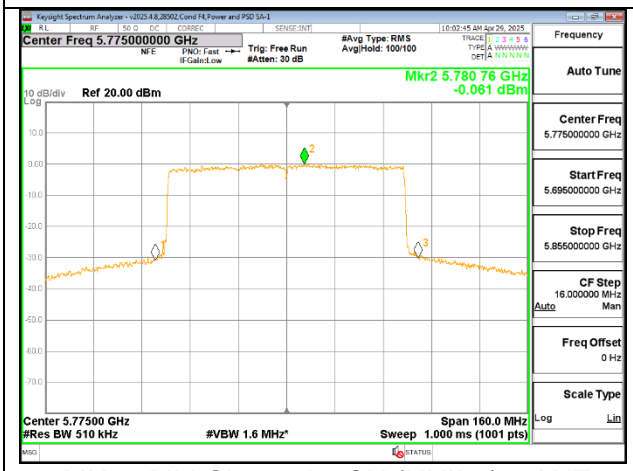
20MHz - Mid Channel – 26T RU0 (UNII-3) – ANT 6



40MHz - Mid Channel – SU (UNII-3) – ANT 6



40MHz - Mid Channel – 106T RU53 (UNII-3) – ANT 6



80MHz - Mid Channel – SU (UNII-3) – ANT 6

80MHz - Mid Channel – 106T RU53 (UNII-3) – ANT 6

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10. SETUP PHOTOS

Please refer to setup report 15496245-EP1V1.

APPENDIX A – SPOT CHECK EVALUATION

MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3256, A3522, A3523 and A3524.

These models have the same PCB layout, design, common components, antennas, antenna locations and housing cases, except for FR2 is removed from variants and disabled/enabled cellular bands via software as shown below.

Model	FCC ID	Feature Difference	Sim Support	Reference Model
A3522	BCG-E8957A	-Without FR2 -Added B11/21 -No UL MIMO	eSIM	-
A3523	BCG-E8958A	-Without FR2 -No LTE/5GNR B14/29/71 -No LTE B11/21 -No UL MIMO	eSIM+pSIM	A3522
A3524	BCG-E8959A	-Without FR2 -No LTE/5GNR B14/29/71 -No LTE B11/21 -With UL MIMO (n41/78/79) -No MSS / 5GNR B53	pSIM+pSIM	

The spot check plan allows for data reuse from the reference model where the variant model data meets the limits and has not changed by more than the criteria from KDB 484596 D01 v03 equation (4).

$$d_{dB} = | V_{dB} - R_{dB} | \quad (1)$$

$$d_{dB} \le d_{dBmax} \quad (2)$$

$$d_{dBmax(M_{dB})} = \begin{cases} (3 + M_{dB}/20)\ dB & \text{, for } 0 \le M_{dB} \le 60\ dB \\ 6\ dB & \text{, for } M_{dB} > 60\ dB \end{cases} \quad (4)$$

Where d_{dB} is deviation between the variant and the reference model, V_{dB} is variant spot check level, R_{db} is the corresponding reference measurement level, d_{dBmax} is the maximum deviation d_{dB} allowed, and M_{dB} is the margin in dB.

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SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3523

A3523 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3522	Sub Model: A3523	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E8957A	FCC ID : BCG-E8958A			
NII / UNII-1	5.150 - 5.250	HT40 MIMO CDD (ANT 5 + 6)	MCS0	Avg Power (dBm)	Fundamental	Hlgh	Fundamental	22.96	22.82	-0.14	-1.04	Note 1
NII / UNII-2a	5.250 - 5.350	EHT40 MIMO CDD SU (ANT 5 + 6)	MCS0	Avg Power (dBm)	Fundamental	Low	Fundamental	22.99	22.91	-0.08	-1.01	Note 1
NII / UNII-2c	5.470 - 5.725	VHT80 Straddle (ANT 5 + 6)	MCS0	Avg Power (dBm)	Fundamental	High	Fundamental	22.98	22.87	-0.11	-1.02	Note 1
NII / UNII-3	5.725 - 5.850	EHT40 MIMO CDD SU (ANT 5 + 6)	MCS0	Avg Power (dBm)	Fundamental	Low	Fundamental	22.99	22.80	-0.19	-7.01	Note 1
NII / UNII-1	5.150 - 5.250	VHT160 SISO (ANT 5)	MCS9	Radiated Bandedge (dBuV/m)	Horizontal Avg	Lower	5.119862	51.50	51.30	-0.20	-2.50	Note 1
NII / UNII-2a	5.250 - 5.350	VHT80 SISO (ANT 6)	MCS9	Radiated Bandedge (dBuV/m)	Vertical Avg	High	5.351179	51.44	51.49	0.05	-2.56	Note 1
NII / UNII-2a	5.250 - 5.350	EHT20 MIMO (ANT 5 + 6)	MCS0	RSE Radiated (dBuV/m)	Horizontal Avg	Low	15.759611	43.11	43.16	0.05	-10.89	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.
Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.

SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3524

A3524 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3522	Sub Model: A3524	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E8957A	FCC ID : BCG-E8959A			
NII / UNII-1	5.150 - 5.250	HT40 MIMO CDD (ANT 5 + 6)	MCS0	Avg Power (dBm)	Fundamental	Hlgh	Fundamental	22.96	22.87	-0.09	-1.04	Note 1
NII / UNII-2a	5.250 - 5.350	EHT40 MIMO CDD SU (ANT 5 + 6)	MCS0	Avg Power (dBm)	Fundamental	Low	Fundamental	22.99	22.85	-0.14	-1.01	Note 1
NII / UNII-2c	5.470 - 5.725	VHT80 Straddle (ANT 5 + 6)	MCS0	Avg Power (dBm)	Fundamental	High	Fundamental	22.98	22.91	-0.07	-1.02	Note 1
NII / UNII-3	5.725 - 5.850	EHT40 MIMO CDD SU (ANT 5 + 6)	MCS0	Avg Power (dBm)	Fundamental	Low	Fundamental	22.99	22.90	-0.09	-7.01	Note 1
NII / UNII-1	5.150 - 5.250	VHT160 SISO (ANT 5)	MCS9	Radiated Bandedge (dBuV/m)	Horizontal Avg	Lower	5.119862	51.50	48.76	-2.74	-2.50	Note 1
NII / UNII-2a	5.250 - 5.350	VHT80 SISO (ANT 6)	MCS9	Radiated Bandedge (dBuV/m)	Vertical Avg	High	5.351179	51.44	48.59	-2.85	-2.56	Note 1
NII / UNII-2a	5.250 - 5.350	EHT20 MIMO (ANT 5 + 6)	MCS0	RSE Radiated (dBuV/m)	Horizontal Avg	Low	15.759611	43.11	43.10	-0.01	-10.89	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.
Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.

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