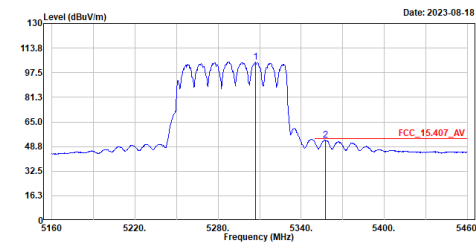


Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax80_5290MHz
Test BY :Peter

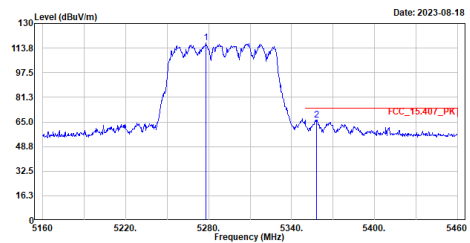


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	5307.300	104.68	53.02	-0.98	88.89	15.79	Average
2	5357.700	53.02	54.00	-0.98	37.16	15.86	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax80_5290MHz
Test BY :Peter

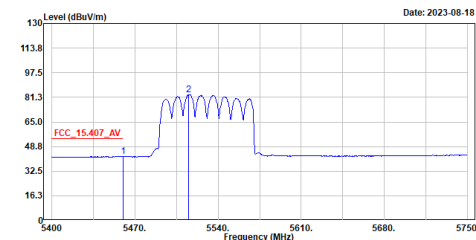


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	5278.200	117.44	53.02	-7.85	101.61	15.83	Peak
2	5358.300	66.15	74.00	-7.85	50.29	15.86	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax80_5530MHz
Test BY :Peter

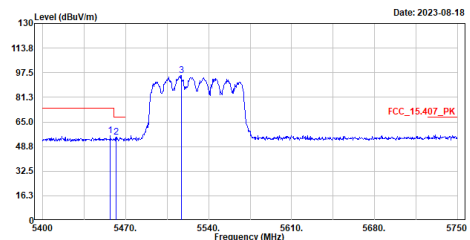


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	5459.850	42.12	54.00	-11.88	25.92	16.20	Average
2	5515.150	83.08	54.00	-11.88	66.59	16.49	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

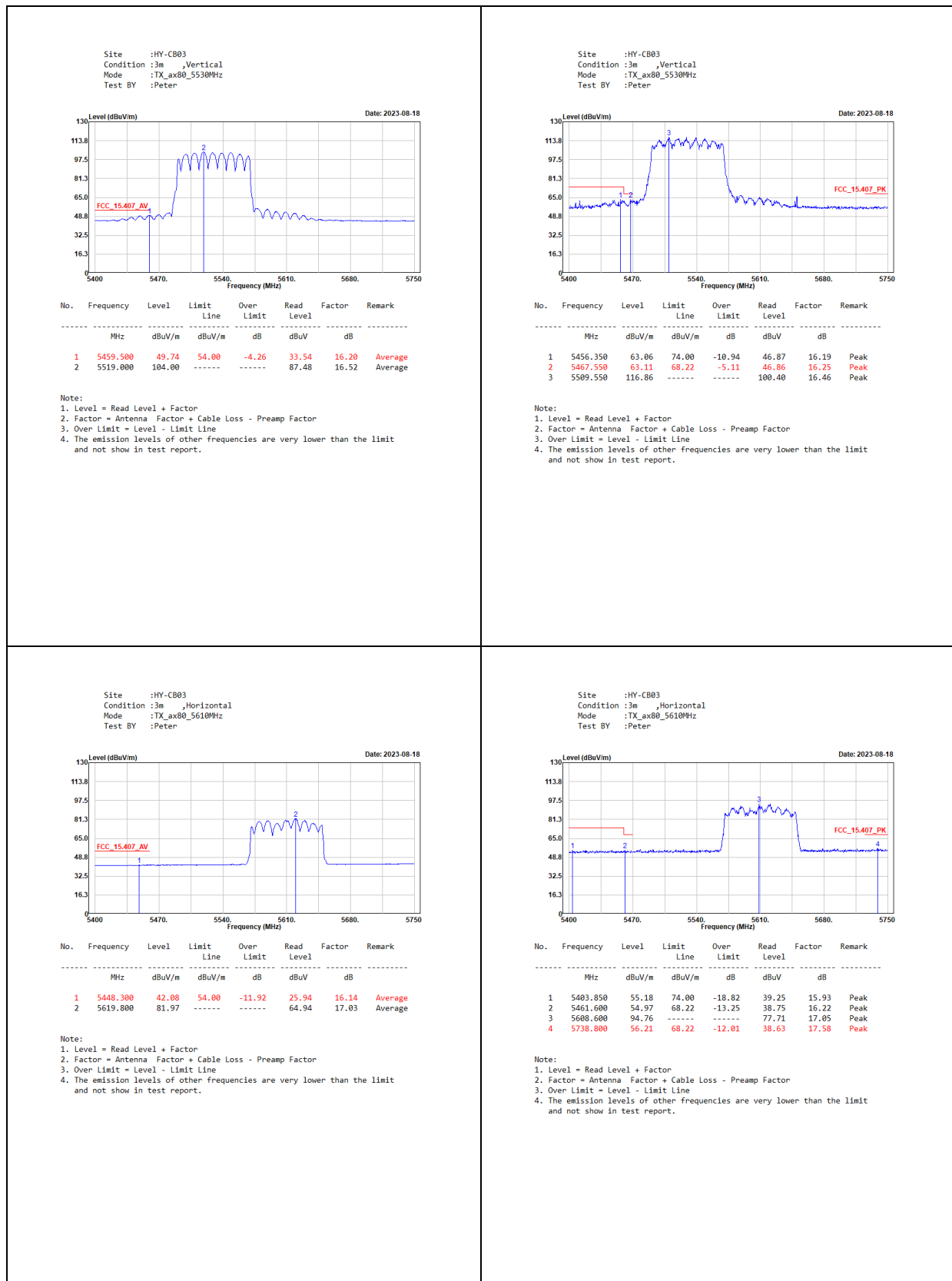
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax80_5530MHz
Test BY :Peter



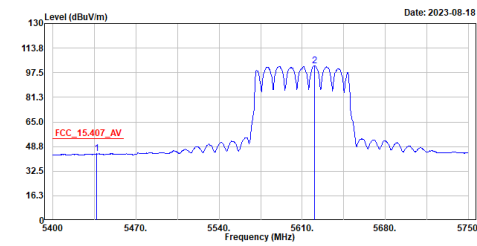
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	5457.050	55.81	74.00	-18.19	39.62	16.19	Peak
2	5461.950	54.97	68.22	-13.25	38.75	16.22	Peak
3	5516.900	95.59	74.00	-13.25	79.09	16.50	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.



Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax80_5610MHz
Test BY :Peter

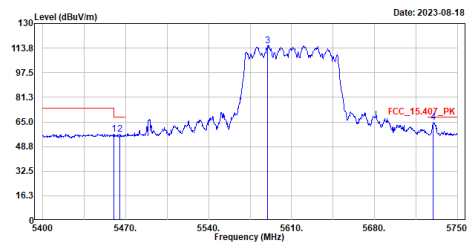


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
				dB	dBuV	dB	
1	5436.750	44.05	54.00	-9.95	27.96	16.09	Average
2	5620.500	102.27	-----	-----	85.24	17.03	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax80_5610MHz
Test BY :Peter

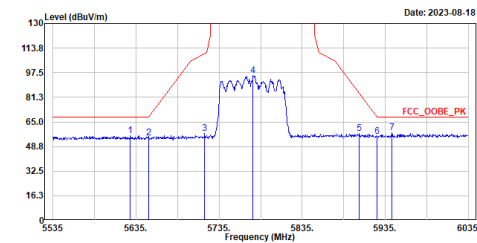


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
				dB	dBuV	dB	
1	5459.850	57.02	74.00	-16.98	40.82	16.20	Peak
2	5465.100	56.66	68.22	-11.56	40.42	16.24	Peak
3	5589.700	115.35	-----	-----	98.28	17.07	Peak
4	5729.700	64.80	68.22	-3.42	47.28	17.52	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax80_5775MHz
Test BY :Peter

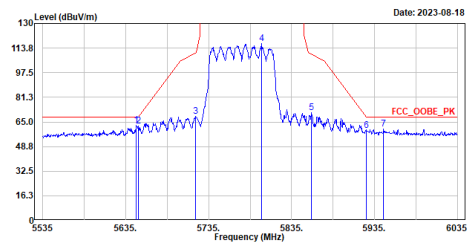


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
				dB	dBuV	dB	
1	5628.000	55.78	68.20	-12.42	38.76	17.02	Peak
2	5650.000	54.53	68.21	-13.68	37.56	16.97	Peak
3	5717.500	57.55	110.10	-52.55	40.13	17.42	Peak
4	5776.000	95.86	-----	-----	78.09	17.77	Peak
5	5904.000	57.24	83.74	-26.50	39.28	17.96	Peak
6	5925.000	55.36	68.21	-12.85	37.48	17.88	Peak
7	5943.000	57.85	68.20	-10.35	40.05	17.80	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax80_5775MHz
Test BY :Peter



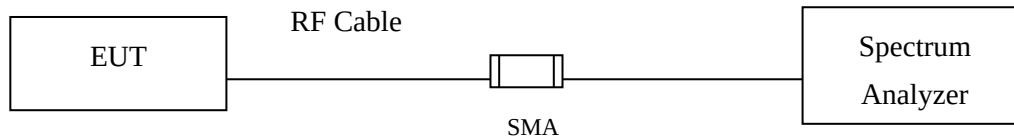
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
				dB	dBuV	dB	
1	5648.000	62.55	68.20	-5.65	45.57	16.98	Peak
2	5650.000	62.32	68.21	-5.89	45.35	16.97	Peak
3	5719.500	68.56	110.66	-42.10	51.11	17.45	Peak
4	5798.500	116.62	-----	-----	98.74	17.88	Peak
5	5858.500	71.12	109.82	-38.70	53.12	18.00	Peak
6	5925.000	59.35	68.21	-8.86	41.47	17.88	Peak
7	5946.000	60.11	68.20	-8.09	42.32	17.79	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

7. Occupied Bandwidth

7.1. Test Setup



7.2. Limits

For the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz

7.3. Test Procedure

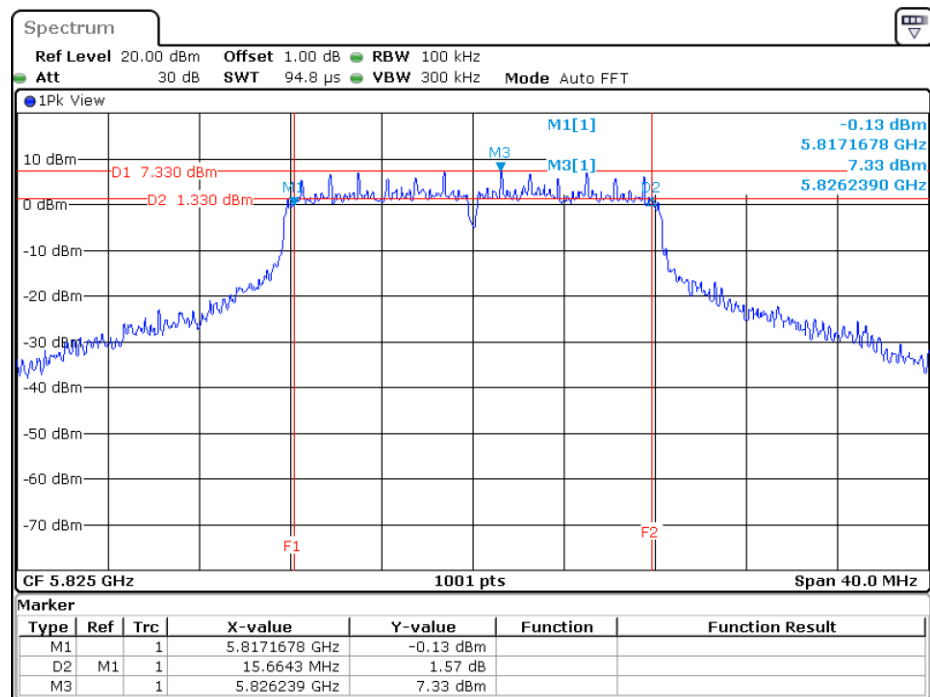
The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

7.4. Test Result of Occupied Bandwidth

Product : Celer, Celer-5G, Celer-LTE1, Celer-LTE2
 Test Item : Occupied Bandwidth Data
 Test Mode : Transmit (802.11a)
 Test Date : 2023/08/01

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	A	16024	>500	Pass
157	5785	A	15824	>500	Pass
165	5825	A	15664	>500	Pass
149	5745	B	15505	>500	Pass
157	5785	B	16024	>500	Pass
165	5825	B	15145	>500	Pass

Channel 165 (Chain A)

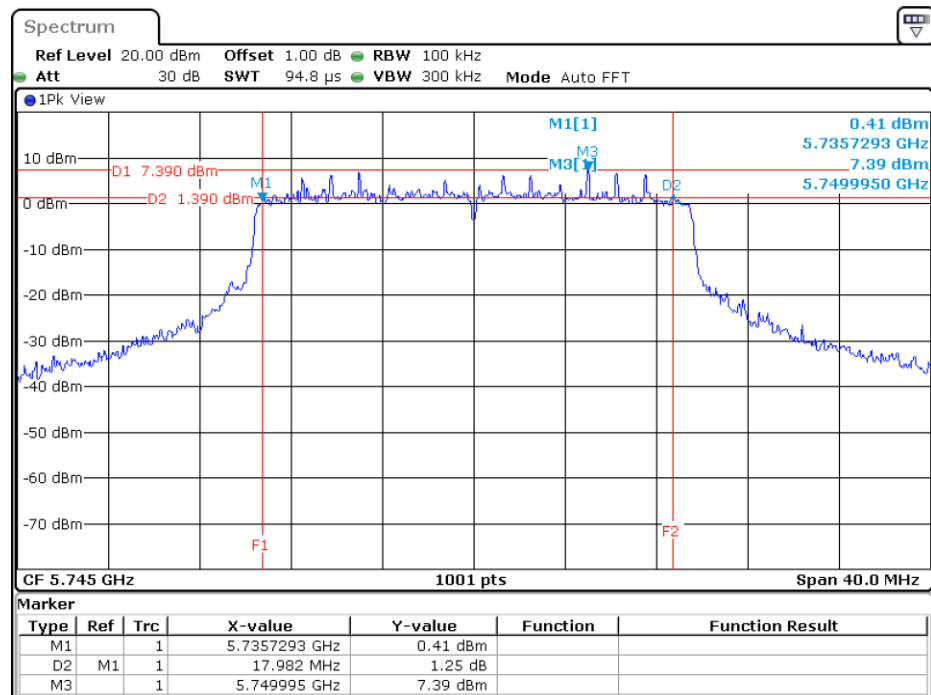


Date: 1.AUG.2023 17:27:16

Product : Celer, Celer-5G, Celer-LTE1, Celer-LTE2
 Test Item : Occupied Bandwidth Data
 Test Mode : Transmit (802.11ax-20 MHz)
 Test Date : 2023/08/02

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	A	17782	>500	Pass
157	5785	A	18182	>500	Pass
165	5825	A	18462	>500	Pass
149	5745	B	17982	>500	Pass
157	5785	B	18382	>500	Pass
165	5825	B	17223	>500	Pass

Channel 149 (Chain B)

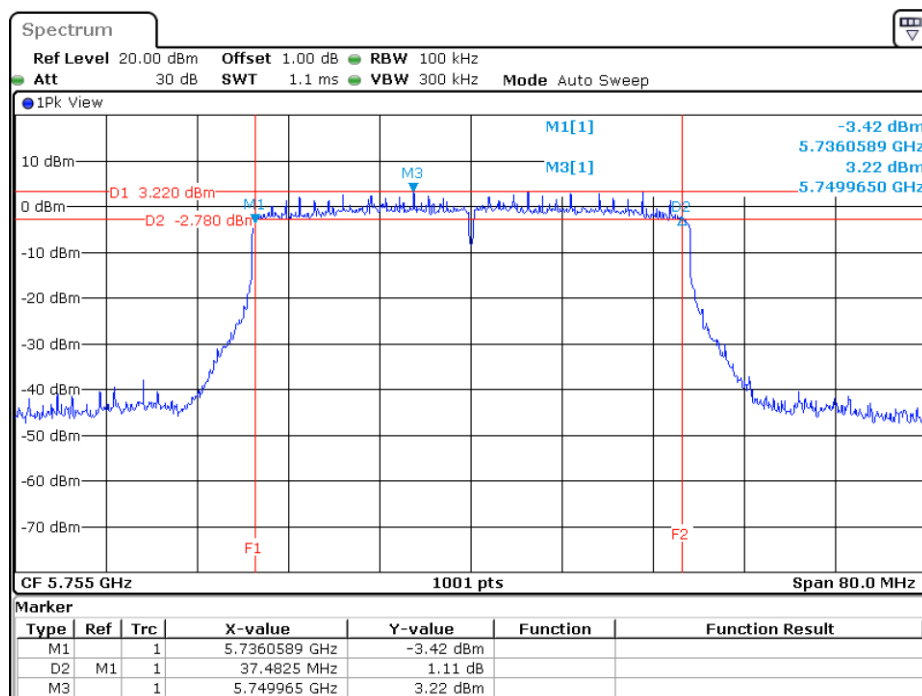


Date: 2.AUG.2023 11:39:16

Product : Celer, Celer-5G, Celer-LTE1, Celer-LTE2
 Test Item : Occupied Bandwidth Data
 Test Mode : Transmit (802.11ax-40 MHz)
 Test Date : 2023/08/02

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	A	37562	>500	Pass
159	5795	A	37802	>500	Pass
151	5755	B	37483	>500	Pass
159	5795	B	37323	>500	Pass

Channel 151 (Chain B)

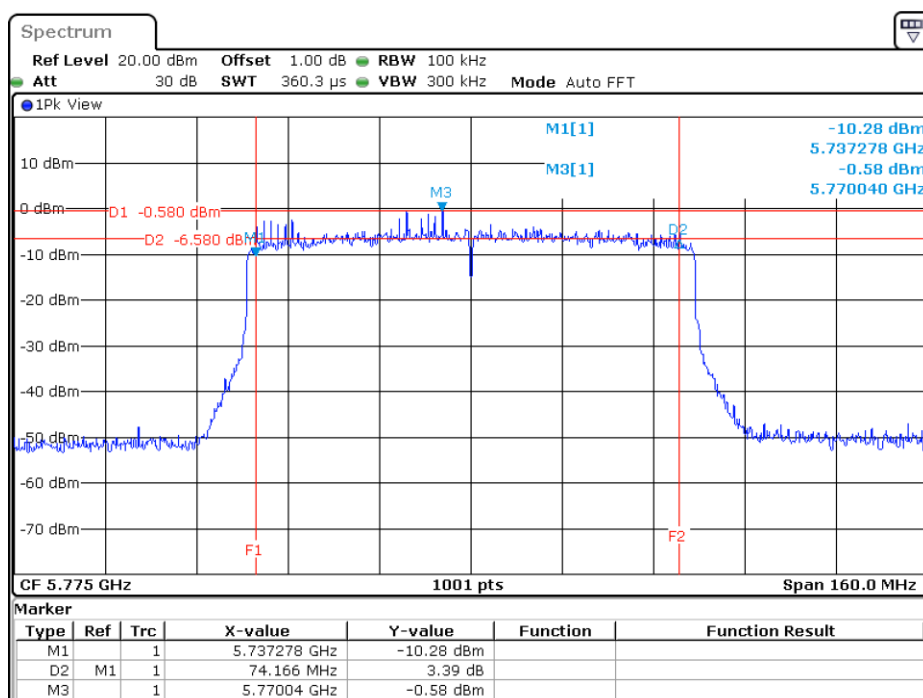


Date: 2.AUG.2023 15:04:22

Product : Celer, Celer-5G, Celer-LTE1, Celer-LTE2
 Test Item : Occupied Bandwidth Data
 Test Mode : Transmit (802.11ax-80 MHz)
 Test Date : 2023/08/02

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
155	5775	A	74166	>500	Pass
155	5775	B	76883	>500	Pass

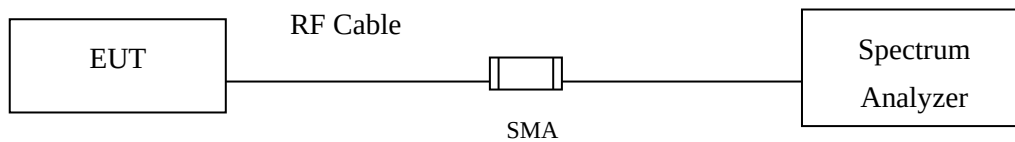
Channel 155 (Chain A)



Date: 2.AUG.2023 16:12:22

8. Duty Cycle

8.1. Test Setup



8.2. Test Procedure

The EUT was setup according to ANSI C63.10 2013; tested according to U-NII test procedure of KDB789033 for compliance to FCC 47CFR 15.407 requirements.

8.3. Test Result of Duty Cycle

Product : Celer, Celer-5G, Celer-LTE1, Celer-LTE2
 Test Item : Duty Cycle
 Test Mode : Transmit

Duty Cycle Formula:

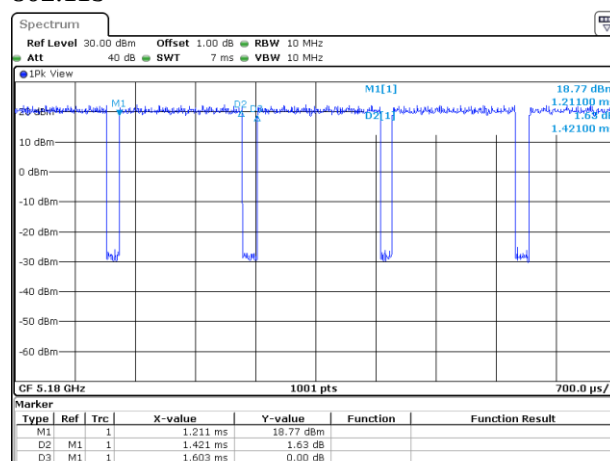
Duty Cycle = Ton / (Ton + Toff)

Duty Factor = 10 Log (1/Duty Cycle)

Results:

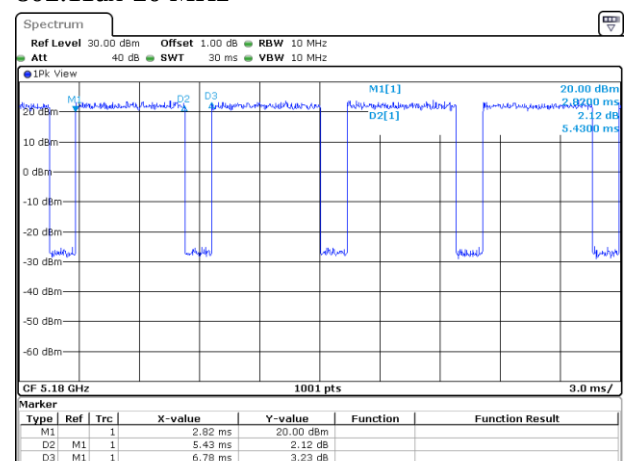
5 GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11a	1.4210	1.6030	88.65	0.52
802.11ax-20 MHz	5.4300	6.7800	80.09	0.96
802.11ax-40 MHz	5.4300	6.7800	80.09	0.96
802.11ax-80 MHz	5.4300	6.7800	80.09	0.96

802.11b



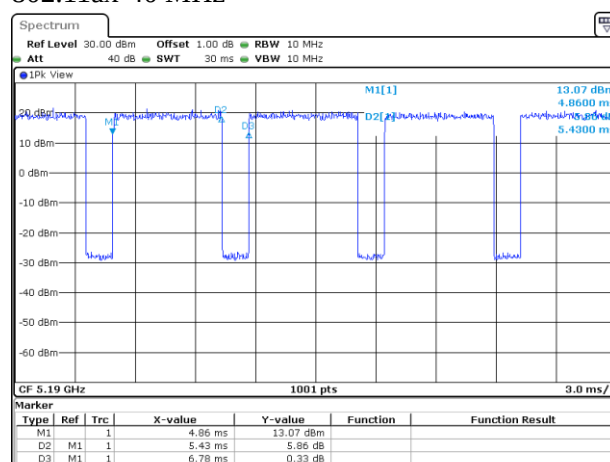
Date: 1 AUG 2023 16:01:58

802.11ax-20 MHz



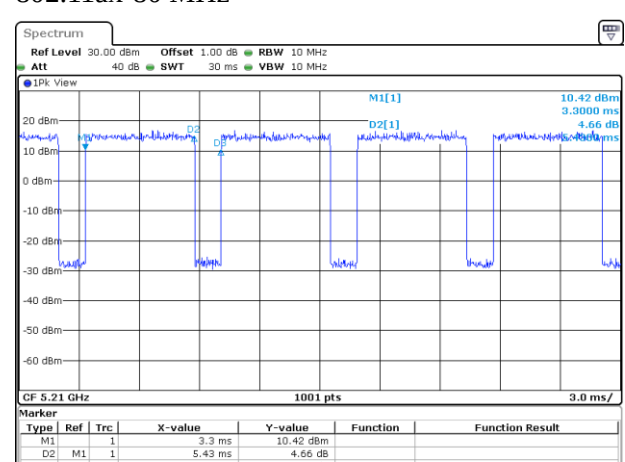
Date: 1 AUG 2023 18:04:58

802.11ax-40 MHz



Date: 2 AUG 2023 13:38:03

802.11ax-80 MHz



Date: 2 AUG 2023 15:16:01