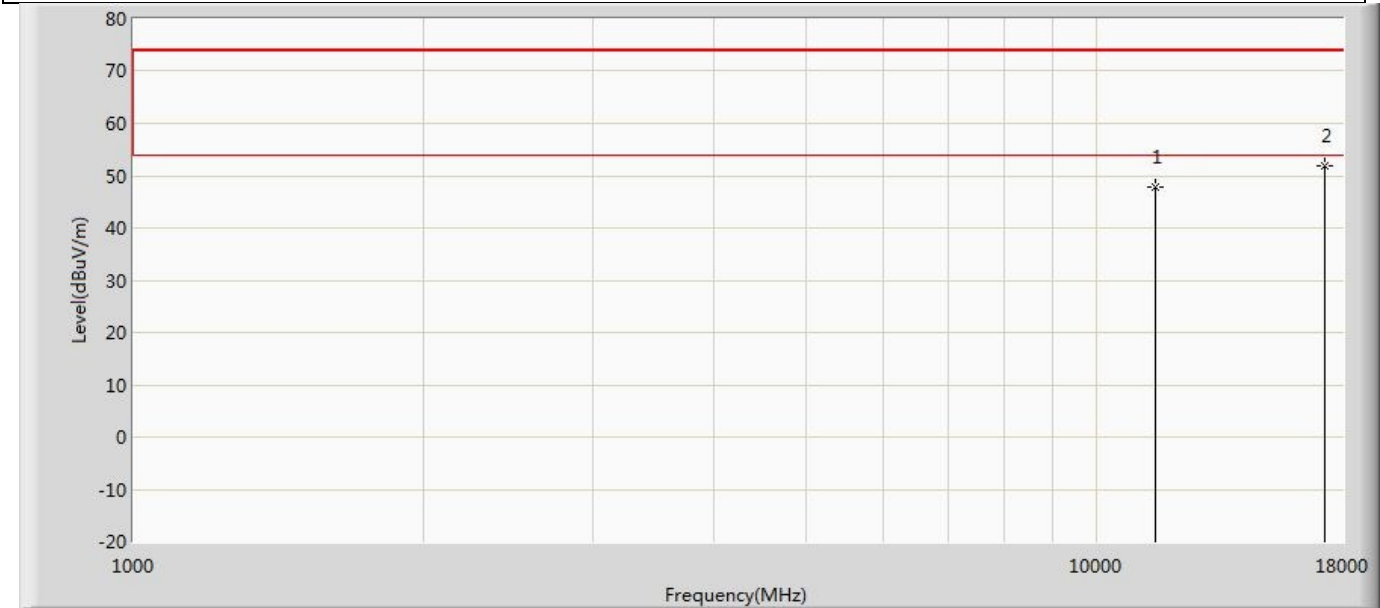




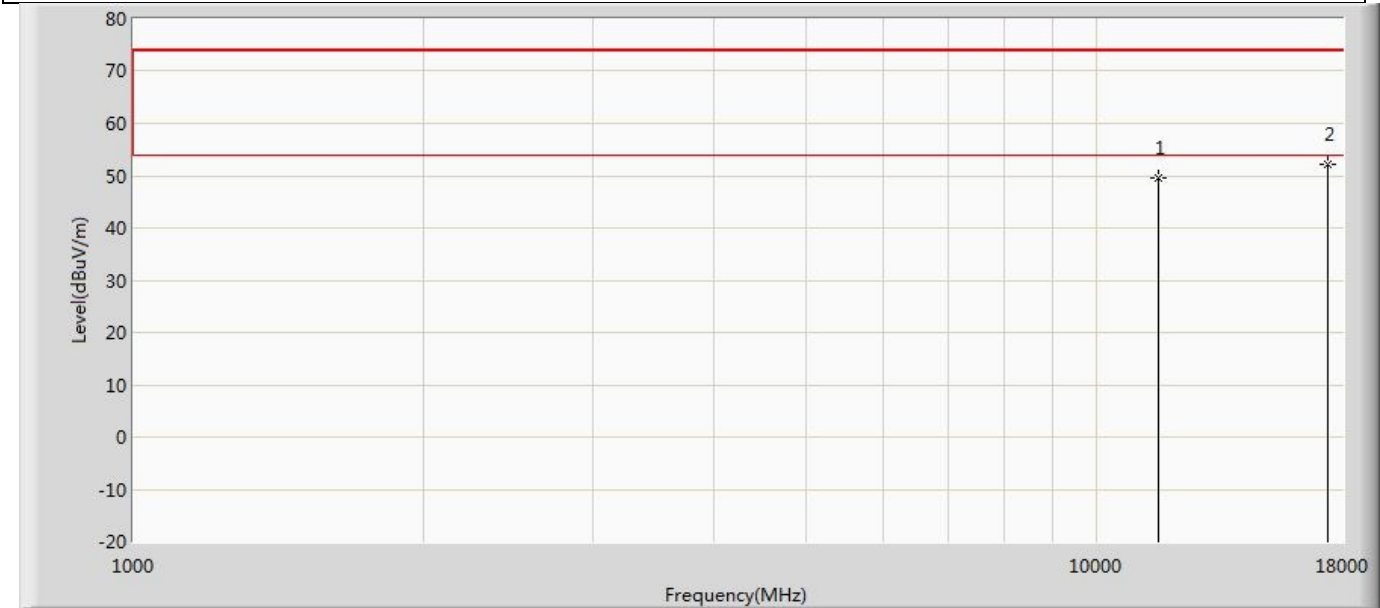
Profile: 23A0637R	Page No.: 322
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 8 : Transmit at 5755MHz by 802.11ax(40MHz) with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	47.855	49.133	-26.145	74.000	-1.278	PK
2	*	17265.000	51.930	48.517	-22.070	74.000	3.412	PK



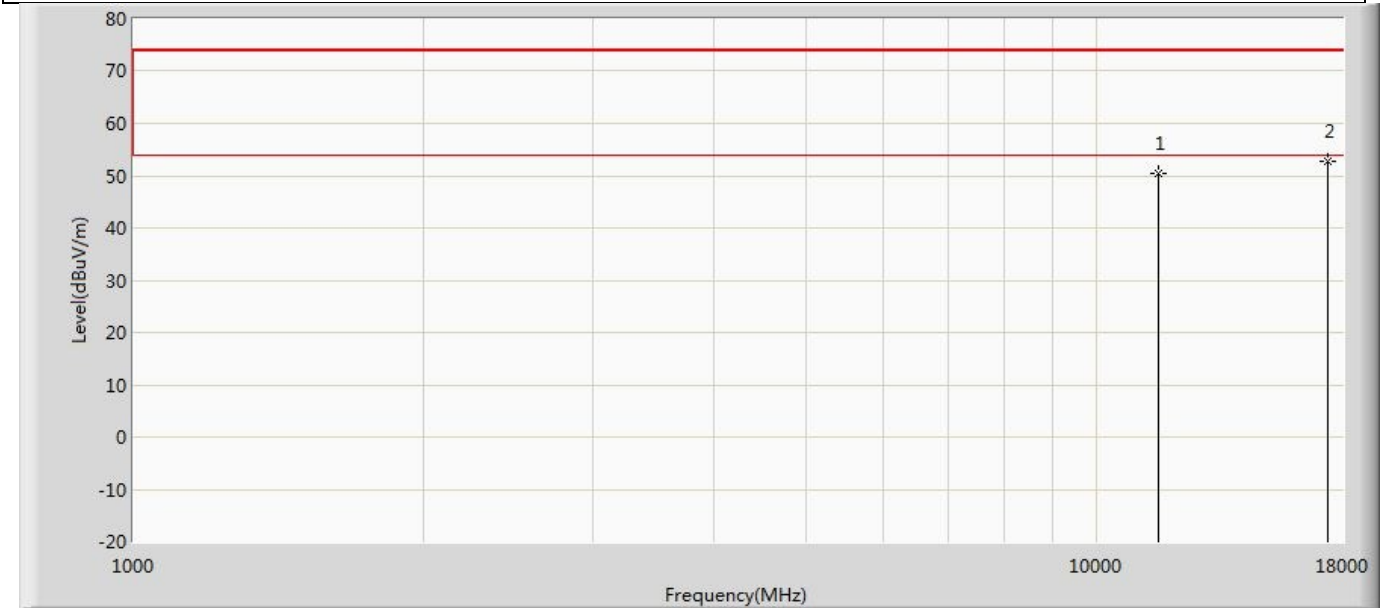
Profile: 23A0637R	Page No.: 323
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 8 : Transmit at 5795MHz by 802.11ax(40MHz) with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	49.514	49.413	-24.486	74.000	0.101	PK
2	*	17385.000	52.130	48.798	-21.870	74.000	3.332	PK



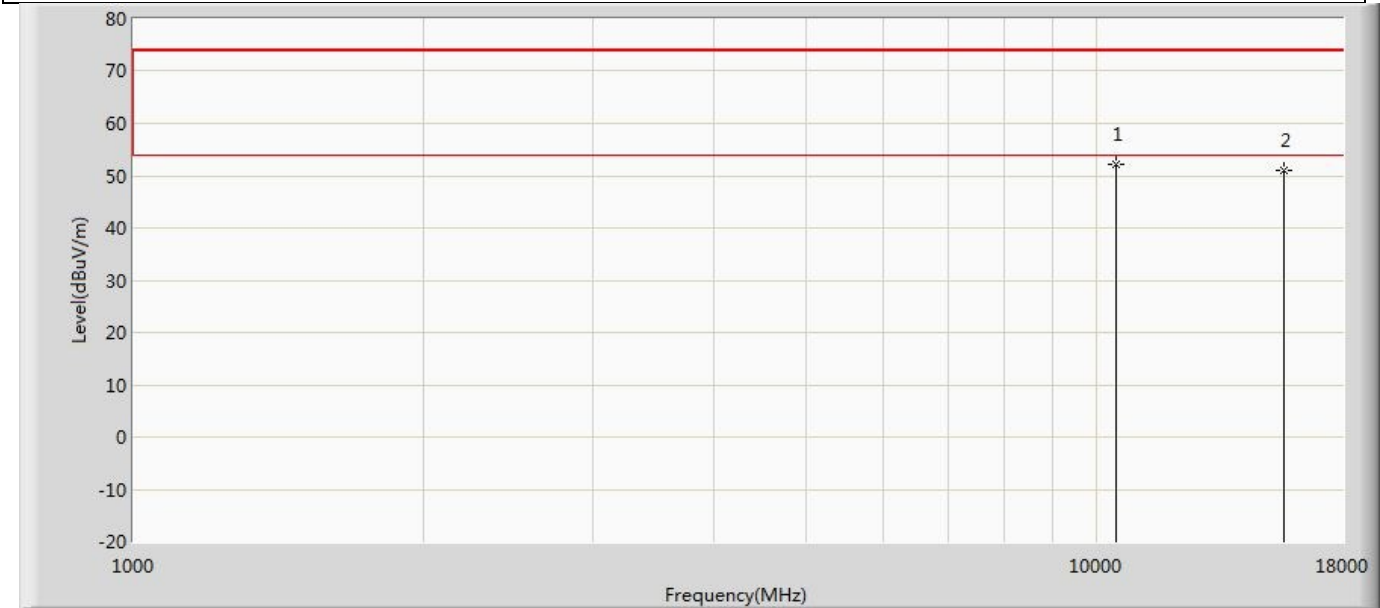
Profile: 23A0637R	Page No.: 324
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 8 : Transmit at 5795MHz by 802.11ax(40MHz) with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	50.406	50.305	-23.594	74.000	0.101	PK
2	*	17385.000	52.639	49.307	-21.361	74.000	3.332	PK



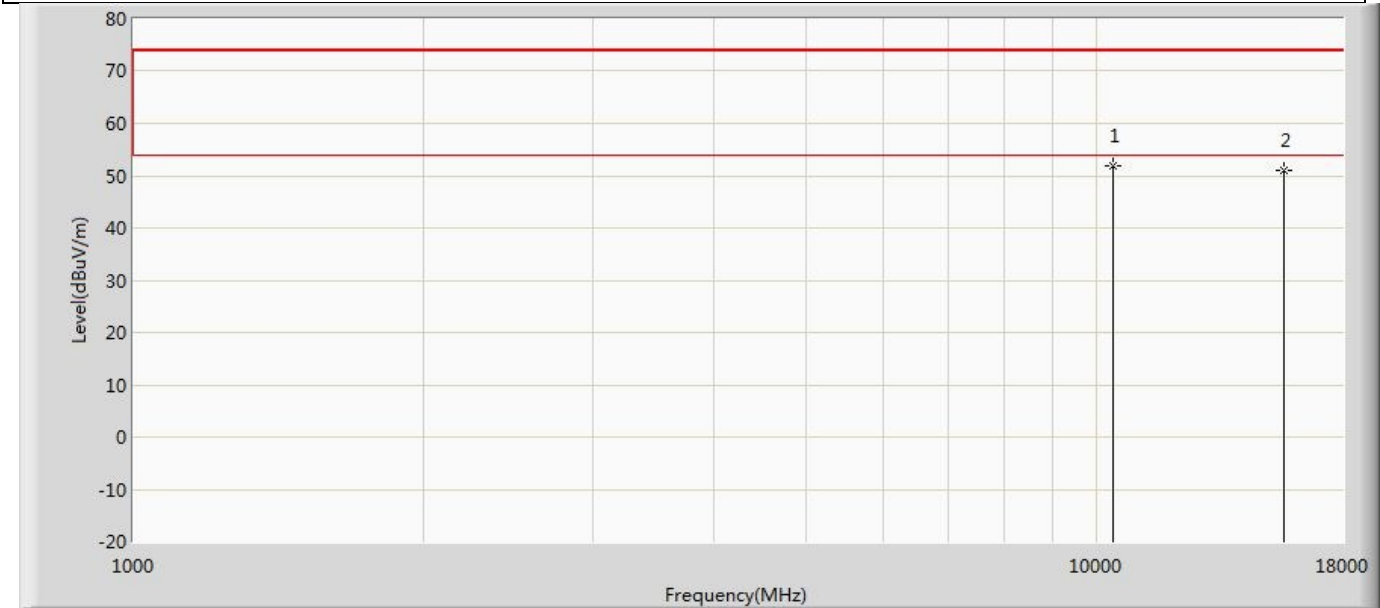
Profile: 23A0637R	Page No.: 325
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 9 : Transmit at 5210MHz by 802.11ax(80MHz) with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10452.000	52.199	55.532	-21.801	74.000	-3.333	PK
2		15630.000	51.142	49.910	-22.858	74.000	1.232	PK



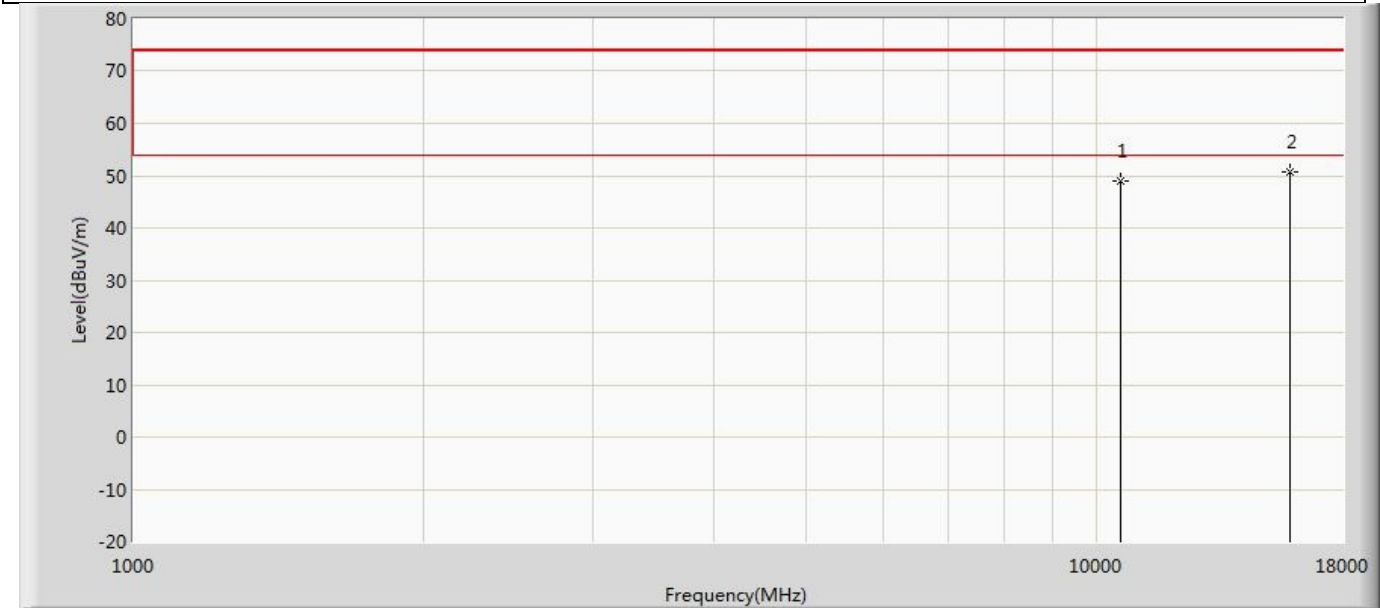
Profile: 23A0637R	Page No.: 326
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 9 : Transmit at 5210MHz by 802.11ax(80MHz) with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10401.000	51.970	55.336	-22.030	74.000	-3.366	PK
2		15630.000	50.941	49.709	-23.059	74.000	1.232	PK



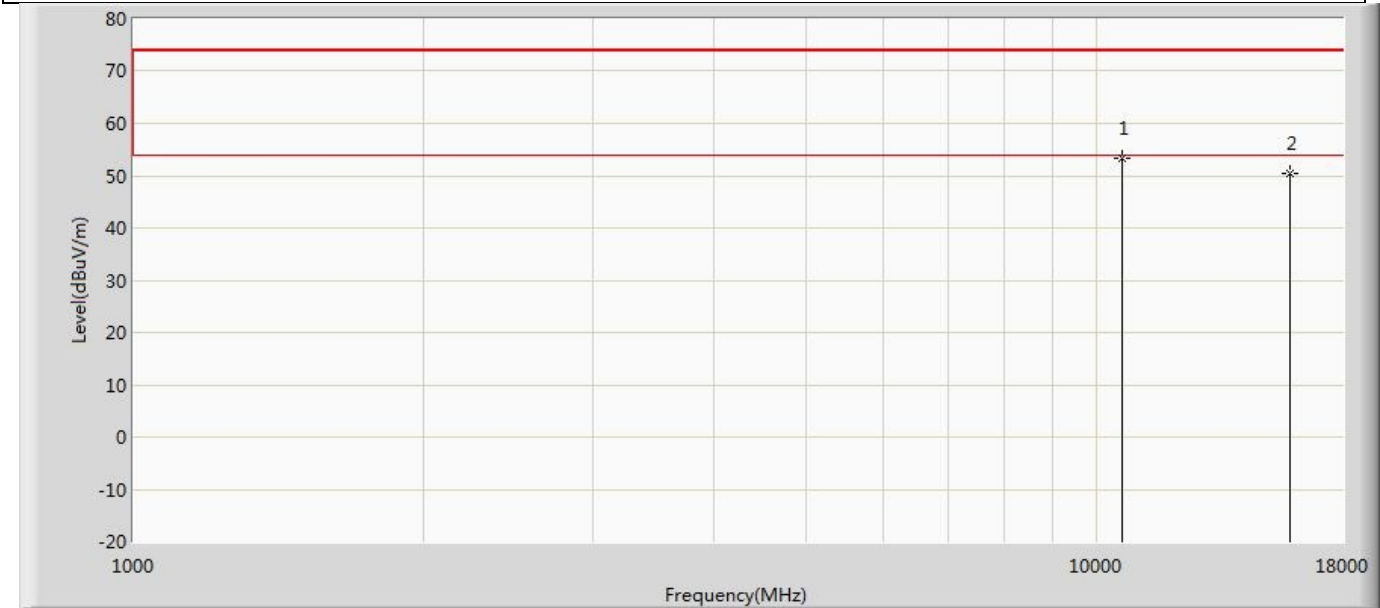
Profile: 23A0637R	Page No.: 327
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 9 : Transmit at 5290MHz by 802.11ax(80MHz) with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10580.000	48.865	51.881	-25.135	74.000	-3.015	PK
2	*	15870.000	50.801	48.946	-23.199	74.000	1.855	PK



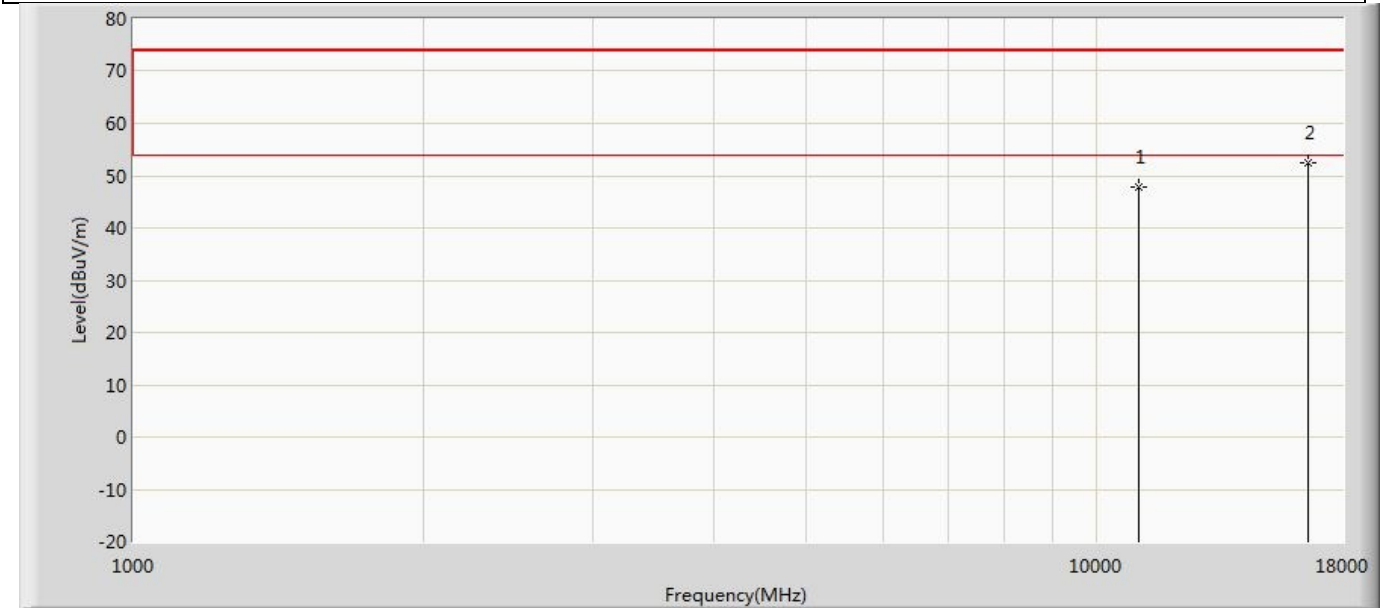
Profile: 23A0637R	Page No.: 328
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 9 : Transmit at 5290MHz by 802.11ax(80MHz) with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10605.000	53.338	55.896	-20.662	74.000	-2.558	PK
2		15870.000	50.537	48.682	-23.463	74.000	1.855	PK



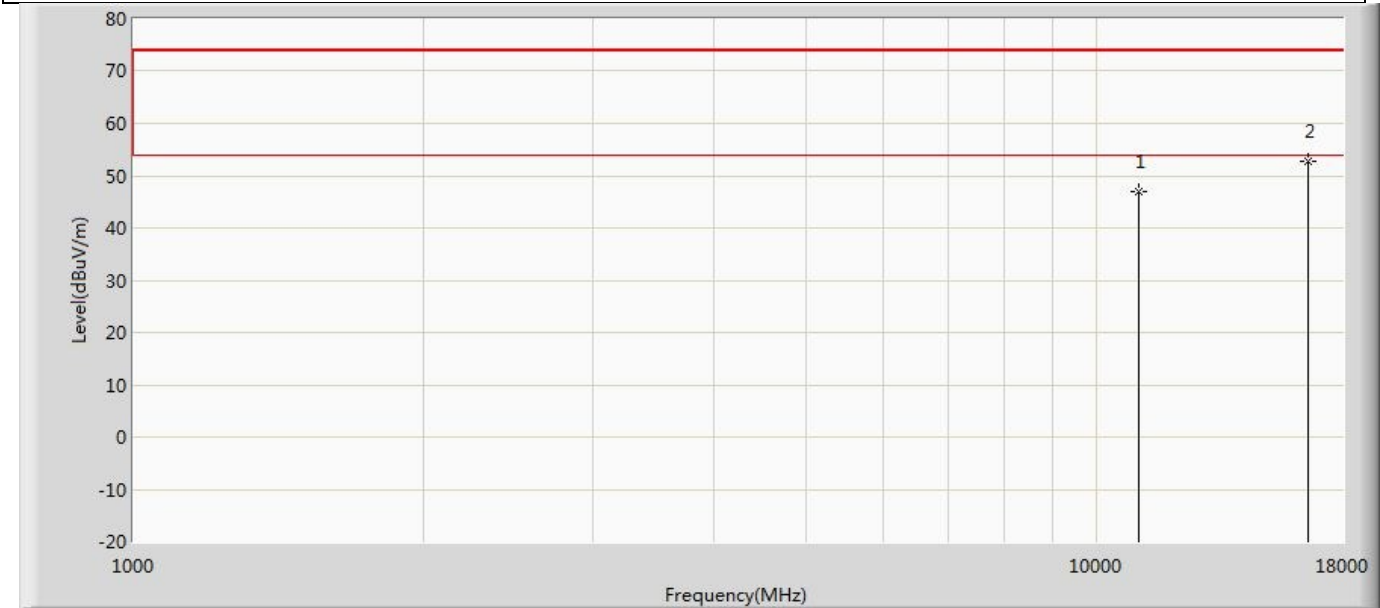
Profile: 23A0637R	Page No.: 329
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 9 : Transmit at 5530MHz by 802.11ax(80MHz) with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11060.000	47.934	50.079	-26.066	74.000	-2.145	PK
2	*	16590.000	52.368	48.180	-21.632	74.000	4.189	PK



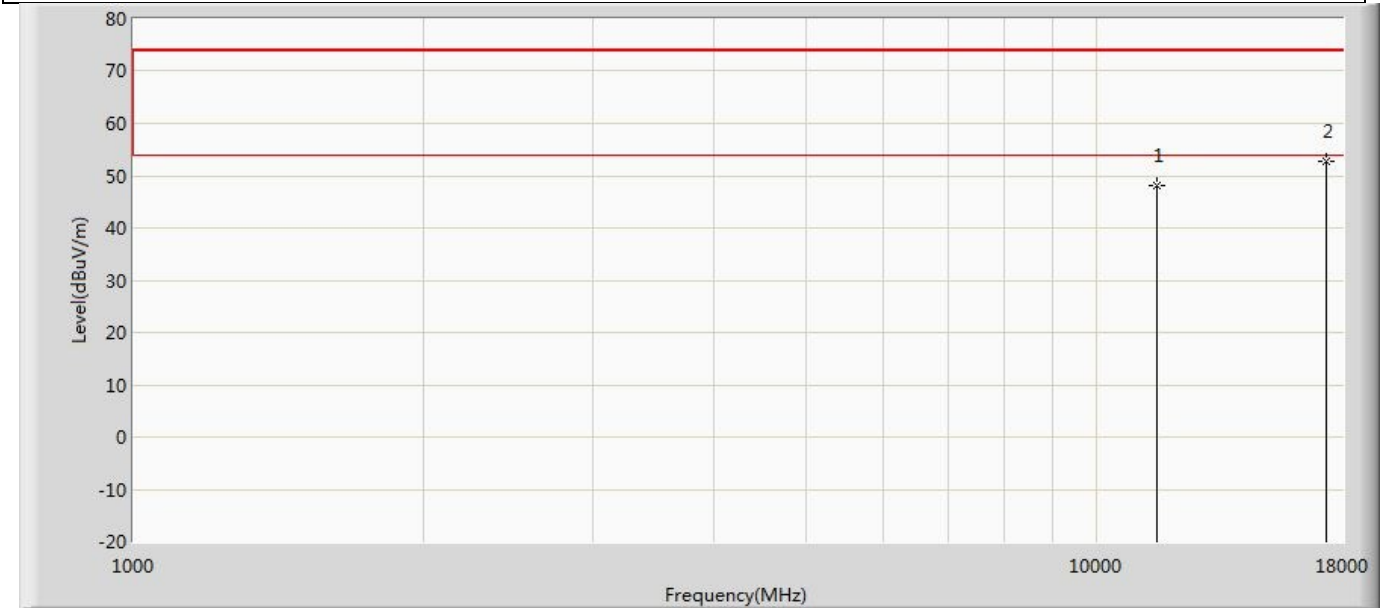
Profile: 23A0637R	Page No.: 330
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 9 : Transmit at 5530MHz by 802.11ax(80MHz) with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11060.000	46.821	48.966	-27.179	74.000	-2.145	PK
2	*	16590.000	52.658	48.470	-21.342	74.000	4.189	PK

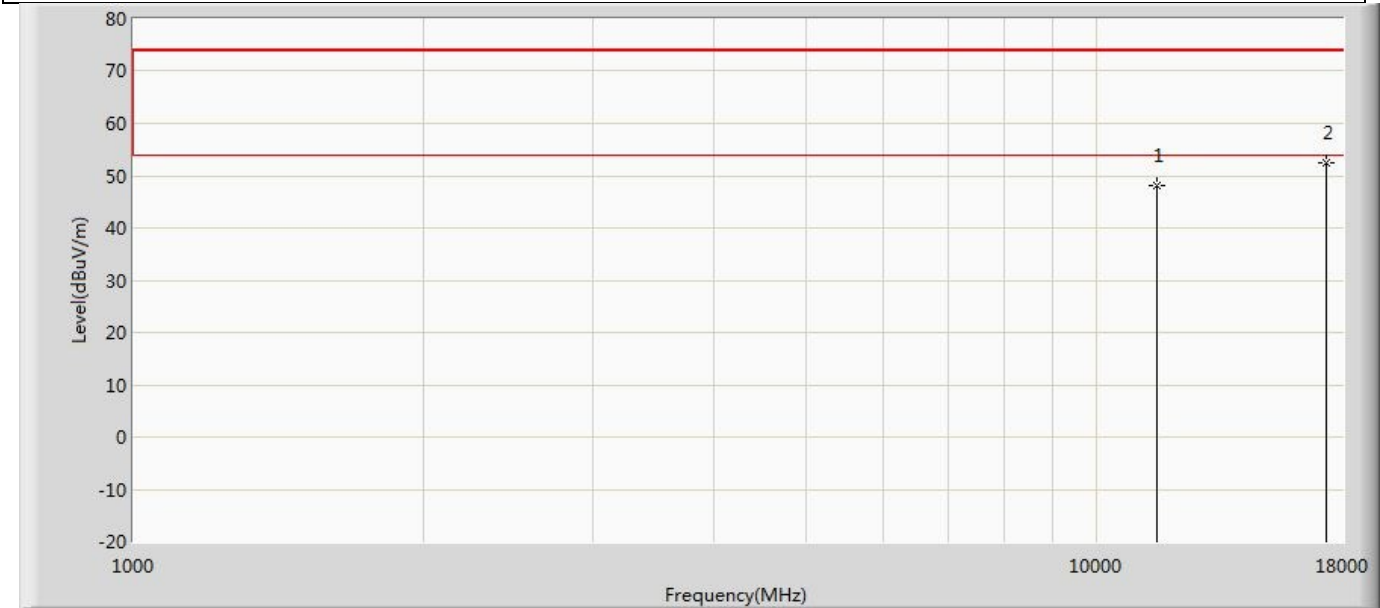


Profile: 23A0637R	Page No.: 331
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 9 : Transmit at 5775MHz by 802.11ax(80MHz) with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	48.162	49.722	-25.838	74.000	-1.560	PK
2	*	17325.000	52.642	49.092	-21.358	74.000	3.549	PK

Profile: 23A0637R	Page No.: 332
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 04:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 9 : Transmit at 5775MHz by 802.11ax(80MHz) with Ant1+2	

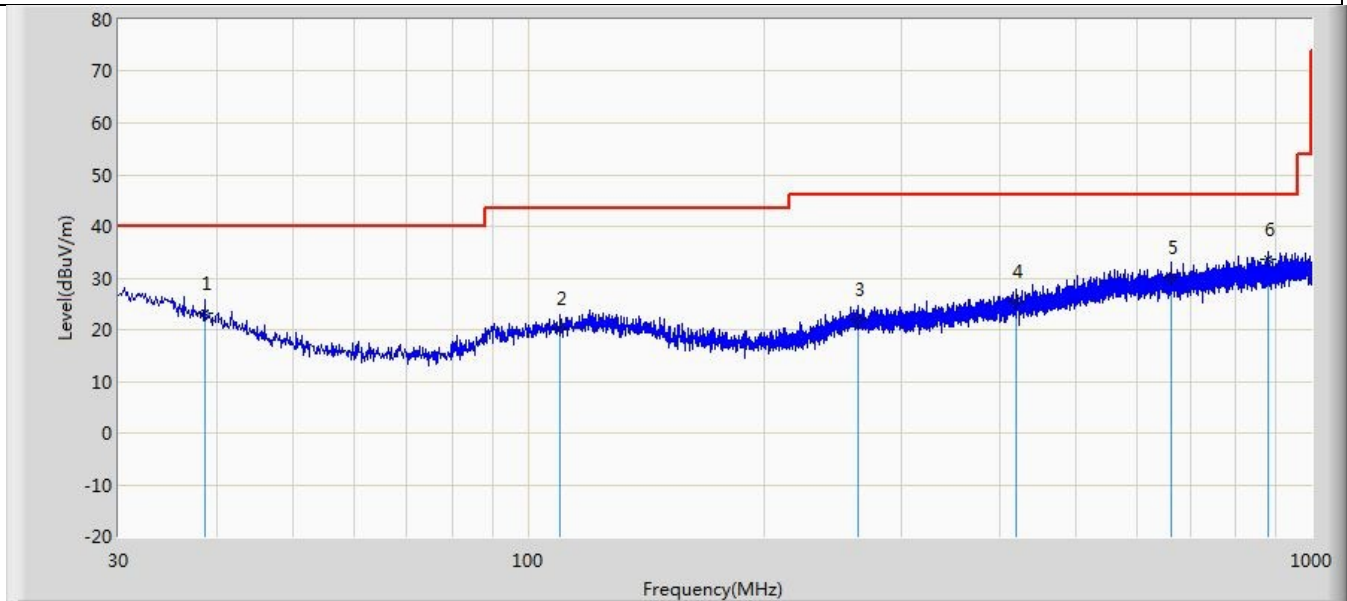


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	48.144	49.704	-25.856	74.000	-1.560	PK
2	*	17325.000	52.449	48.899	-21.551	74.000	3.549	PK

- Note:
1. Measured Level = Reading Level + Factor.
 2. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
 3. The test frequency range, 18GHz~40GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.
 4. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
 5. We have evaluated SISO, MIMO mode, shown in the report is the worst data.

The worst case of Radiated Emission below 1GHz:

Profile: 23A0637R	Page No.: 31
Engineer: Pengchengyang	
Site: AC2	Time: 2023/11/29 - 15:47
Limit: FCC_Part 15.109_RE (3m)_Class B	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1 : Transmit at 5180MHz by 802.11a	

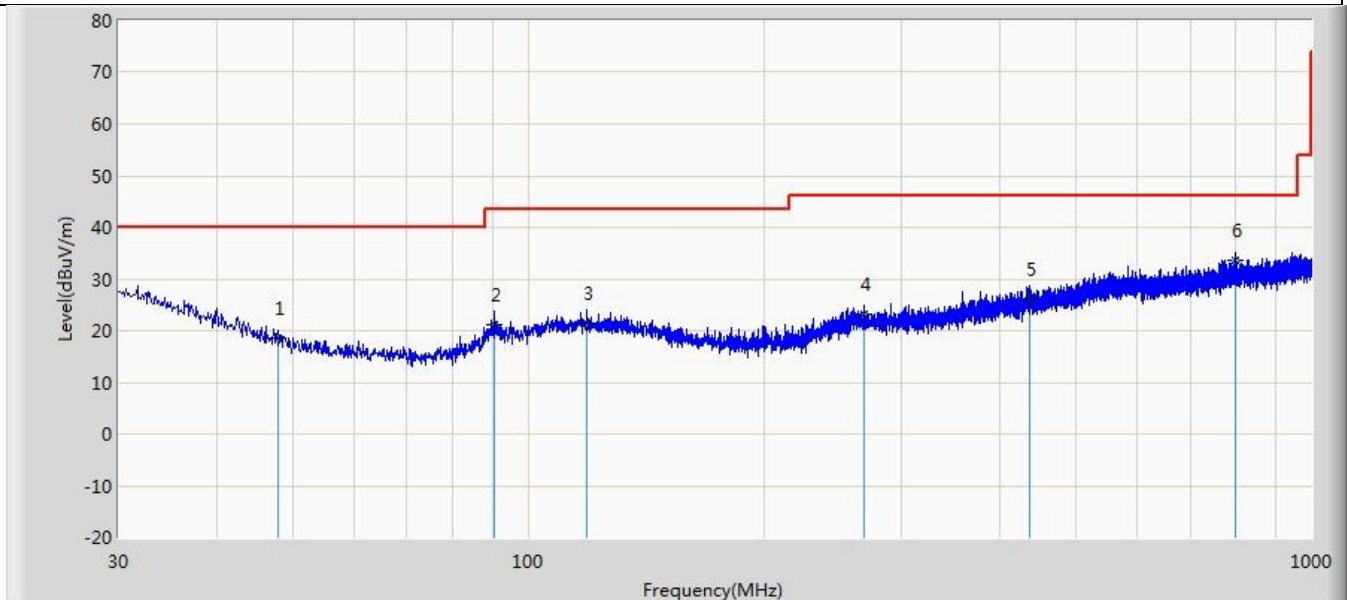


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		38.609	23.260	2.936	-16.740	40.000	20.324	QP
2		109.904	20.160	1.137	-23.340	43.500	19.023	QP
3		264.134	22.147	1.500	-23.853	46.000	20.647	QP
4		420.668	25.568	1.517	-20.432	46.000	24.051	QP
5		662.440	30.119	2.598	-15.881	46.000	27.521	QP
6	*	880.084	33.520	4.058	-12.480	46.000	29.462	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Profile: 23A0637R	Page No.: 32
Engineer: Pengchengyang	
Site: AC2	Time: 2023/11/29 - 15:50
Limit: FCC_Part 15.109_RE (3m)_Class B	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1 : Transmit at 5180MHz by 802.11a	



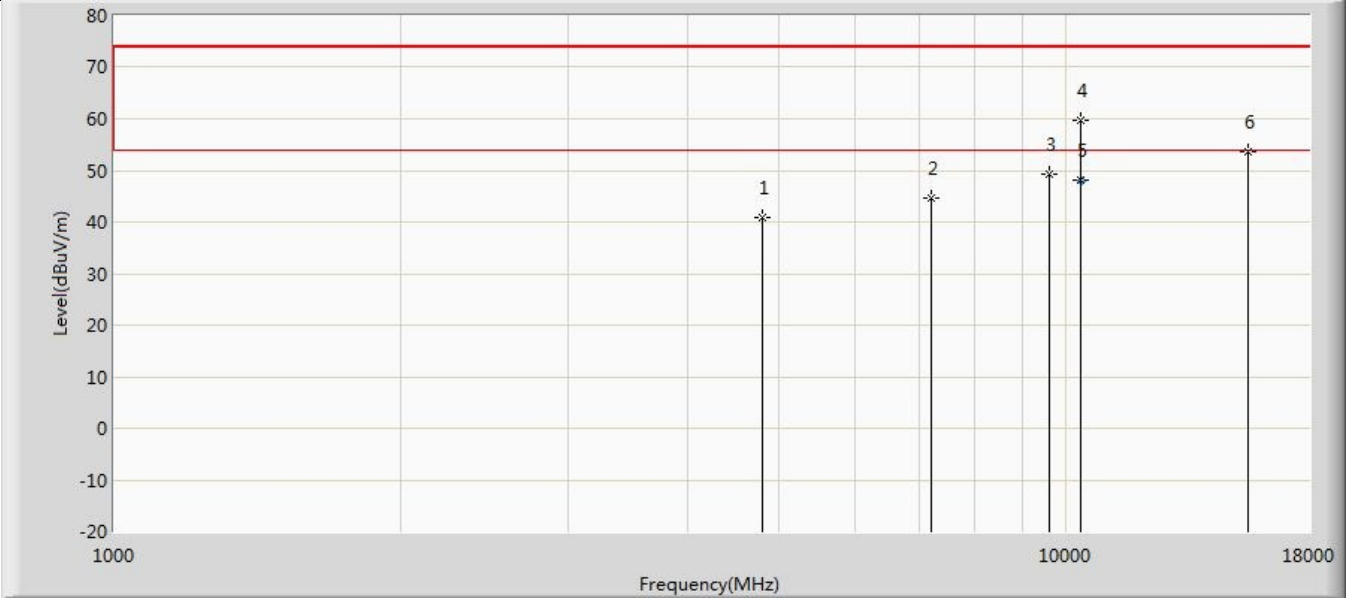
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		47.945	18.680	2.985	-21.320	40.000	15.696	QP
2		90.504	21.158	5.154	-22.342	43.500	16.004	QP
3		118.997	21.580	2.256	-21.920	43.500	19.324	QP
4		268.499	23.210	2.810	-22.790	46.000	20.400	QP
5		436.309	26.177	1.814	-19.823	46.000	24.363	QP
6	*	798.240	33.511	4.125	-12.489	46.000	29.386	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

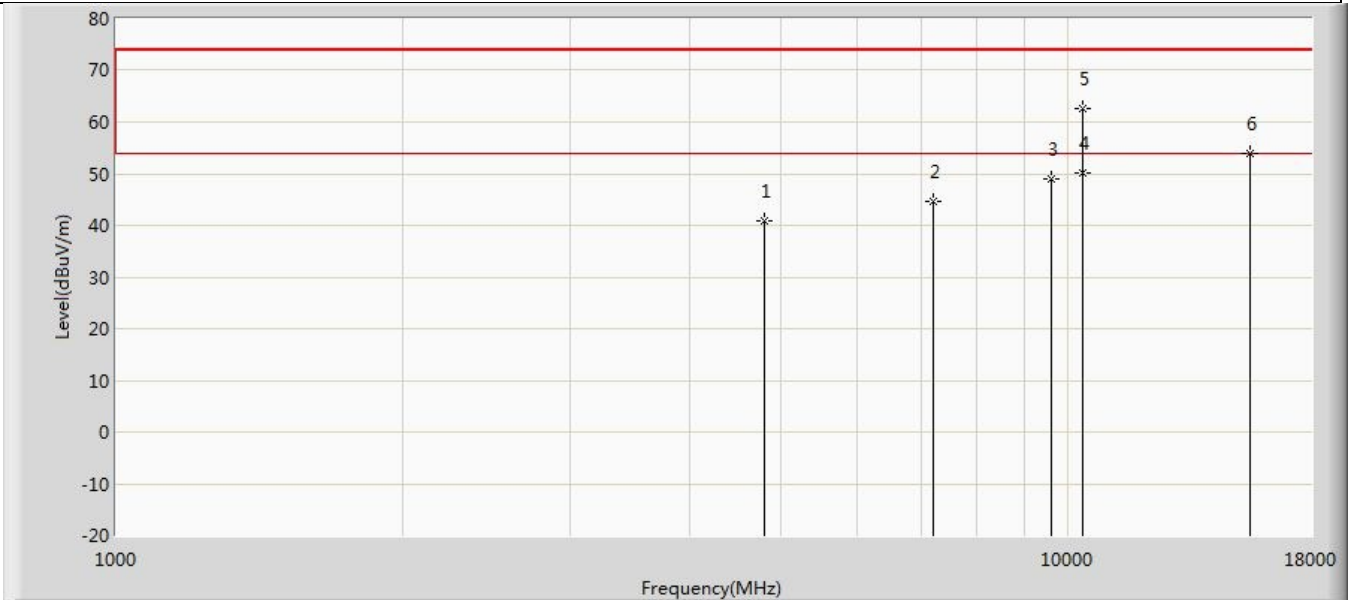
The worst case of Simultaneous Radiated Emission:

Profile: 23A0637R	Page No.: 13
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 05:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3 : Transmit at 2402MHz by DH5 + 5180MHz by 802.11a with Ant2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.816	52.704	-33.184	74.000	-11.888	PK
2		7206.000	44.670	50.836	-29.330	74.000	-6.166	PK
3		9608.000	49.171	52.394	-24.829	74.000	-3.222	PK
4		10350.000	59.587	63.327	-14.413	74.000	-3.740	PK
5	*	10360.000	48.114	51.520	-5.886	54.000	-3.406	AV
6		15540.000	53.621	52.578	-20.379	74.000	1.043	PK

Profile: 23A0637R	Page No.: 14
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/29 - 05:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3 : Transmit at 2402MHz by DH5 + 5180MHz by 802.11a with Ant2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.749	52.637	-33.251	74.000	-11.888	PK
2		7206.000	44.547	50.713	-29.453	74.000	-6.166	PK
3		9608.000	49.105	52.328	-24.895	74.000	-3.222	PK
4		10360.000	50.037	53.443	-23.963	74.000	-3.406	PK
5	*	10367.000	62.620	65.792	-11.380	74.000	-3.172	PK
6		15540.000	53.859	52.816	-20.141	74.000	1.043	PK

Appendix B: Emission bandwidth and occupied bandwidth

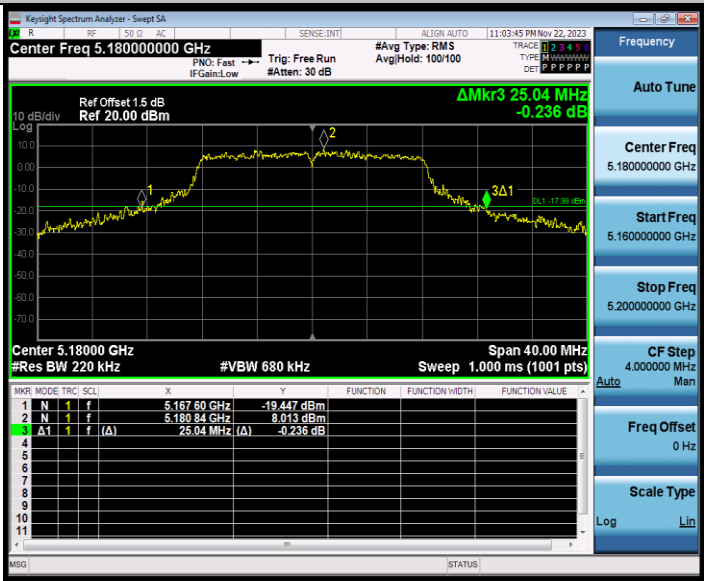
Emission Bandwidth :

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]
11A	Ant2	5180	25.040	5167.600	5192.640	---
	Ant2	5200	30.640	5182.480	5213.120	---
	Ant2	5240	26.480	5225.440	5251.920	---
	Ant2	5260	25.440	5247.240	5272.680	---
	Ant2	5280	24.480	5267.000	5291.480	---
	Ant2	5320	28.120	5307.320	5335.440	---
	Ant1	5500	25.640	5487.120	5512.760	---
	Ant1	5580	24.600	5567.480	5592.080	---
	Ant2	5700	25.440	5686.960	5712.400	---
	Ant2	5745	24.320	5732.720	5757.040	---
	Ant2	5785	25.160	5771.960	5797.120	---
	Ant1	5825	25.200	5812.080	5837.280	---
11N20	Ant1	5180	24.520	5167.760	5192.280	---
	Ant1	5200	28.960	5185.600	5214.560	---
	Ant1	5240	23.520	5227.840	5251.360	---
	Ant1	5260	25.920	5246.920	5272.840	---
	Ant2	5280	26.760	5265.680	5292.440	---
	Ant1+2	5320	27.320	5306.080	5333.400	---
	Ant1	5500	32.880	5482.200	5515.080	---
	Ant1	5580	27.640	5565.640	5593.280	---
	Ant1+2	5700	28.520	5686.160	5714.680	---
	Ant2	5745	25.000	5732.000	5757.000	---
	Ant1	5785	28.400	5770.720	5799.120	---
	Ant1	5825	25.120	5812.040	5837.160	---
11N40	Ant1+2	5190	40.000	5170.080	5210.080	---
	Ant1+2	5230	40.160	5209.920	5250.080	---
	Ant12	5270	40.160	5250.080	5290.240	---
	Ant1+2	5310	40.640	5289.360	5330.000	---
	Ant1	5510	43.760	5487.520	5531.280	---
	Ant1	5550	46.640	5527.680	5574.320	---
	Ant1+2	5670	39.680	5650.320	5690.000	---
	Ant2	5755	46.560	5732.680	5779.240	---
	Ant1+2	5795	56.960	5762.440	5819.400	---
11AC20	Ant1	5180	25.200	5167.960	5193.160	---
	Ant1+2	5200	24.600	5187.800	5212.400	---
	Ant1+2	5240	20.760	5229.600	5250.360	---
	Ant1+2	5260	25.920	5247.600	5273.520	---
	Ant1	5280	26.160	5266.560	5292.720	---
	Ant1	5320	24.200	5307.760	5331.960	---
	Ant1	5500	32.480	5483.920	5516.400	---
	Ant1	5580	26.080	5567.000	5593.080	---
	Ant2	5700	26.040	5686.640	5712.680	---
	Ant1+2	5745	26.920	5730.920	5757.840	---
	Ant2	5785	25.480	5771.880	5797.360	---
	Ant1+2	5825	25.680	5812.760	5838.440	---

11AC40	Ant1+2	5190	39.760	5170.240	5210.000	---
	Ant2	5230	40.080	5210.000	5250.080	---
	Ant1+2	5270	40.320	5249.680	5290.000	---
	Ant1+2	5310	39.840	5290.160	5330.000	---
	Ant1	5510	45.840	5490.000	5535.840	---
	Ant1	5550	60.480	5517.040	5577.520	---
	Ant2	5670	39.760	5650.080	5689.840	---
	Ant2	5755	39.920	5735.080	5775.000	---
	Ant1+2	5795	39.440	5775.240	5814.680	---
11AC80	Ant1	5210	79.840	5170.000	5249.840	---
	Ant1	5290	79.680	5250.160	5329.840	---
	Ant1	5530	79.360	5490.320	5569.680	---
	Ant1	5610	121.920	5545.840	5667.760	---
	Ant2	5775	79.840	5735.320	5815.160	---
11AX20	Ant1	5180	22.360	5168.960	5191.320	---
	Ant1	5200	21.880	5189.280	5211.160	---
	Ant2	5240	19.880	5230.040	5249.920	---
	Ant1+2	5260	24.400	5246.840	5271.240	---
	Ant1+2	5280	21.800	5269.080	5290.880	---
	Ant1+2	5320	22.400	5309.040	5331.440	---
	Ant1	5500	28.120	5486.400	5514.520	---
	Ant1	5580	21.520	5569.040	5590.560	---
	Ant2	5700	21.480	5689.160	5710.640	---
	Ant1+2	5745	21.800	5734.160	5755.960	---
	Ant1	5785	22.280	5773.680	5795.960	---
	Ant1	5825	21.840	5814.040	5835.880	---
11AX40	Ant1+2	5190	39.440	5170.160	5209.600	---
	Ant2	5230	39.440	5210.240	5249.680	---
	Ant2	5270	39.280	5250.400	5289.680	---
	Ant2	5310	39.440	5290.320	5329.760	---
	Ant1	5510	39.440	5490.320	5529.760	---
	Ant1	5550	43.360	5530.400	5573.760	---
	Ant1	5670	39.360	5650.320	5689.680	---
	Ant1+2	5755	39.520	5735.240	5774.760	---
	Ant1+2	5795	39.360	5775.320	5814.680	---
11AX80	Ant1	5210	80.000	5170.160	5250.160	---
	Ant1	5290	80.000	5250.000	5330.000	---
	Ant1	5530	79.680	5490.160	5569.840	---
	Ant1	5610	80.000	5570.000	5650.000	---
	Ant1+2	5775	80.000	5735.000	5815.000	---

Note: We have evaluated SISO, MIMO mode, shown in the report is the worst data.

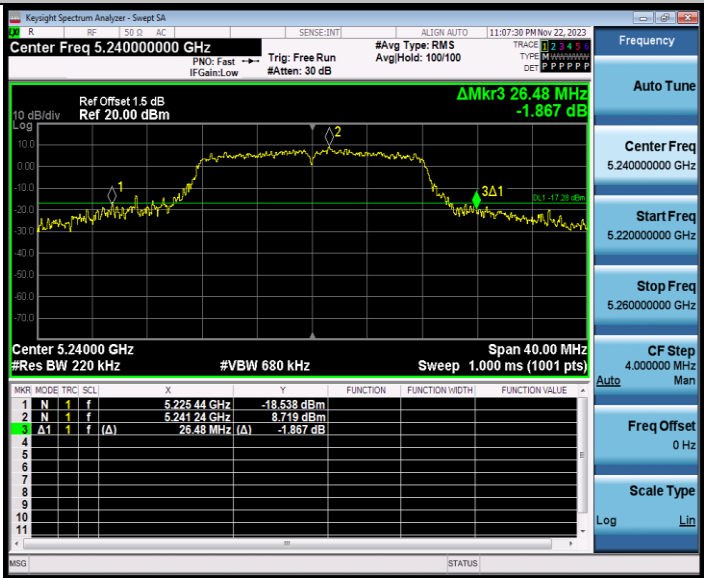
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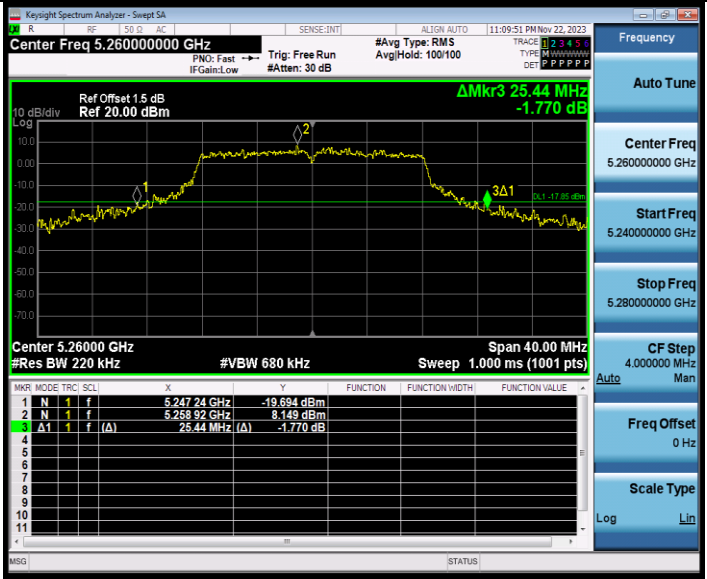
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11A5240



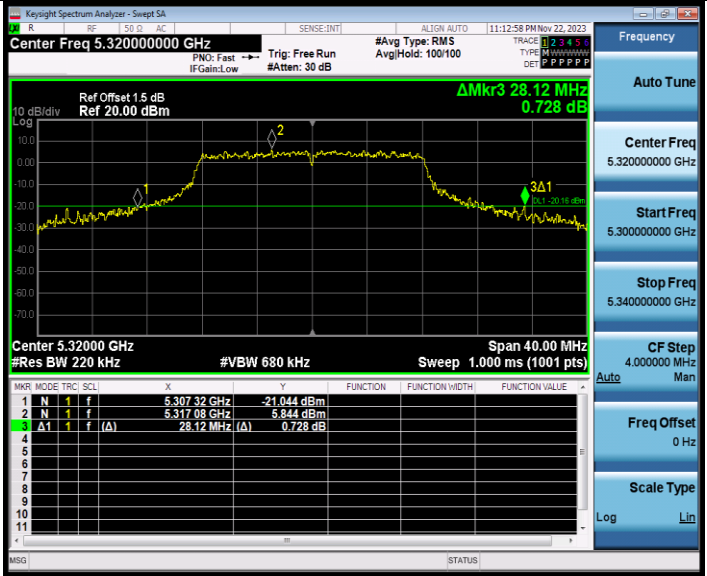
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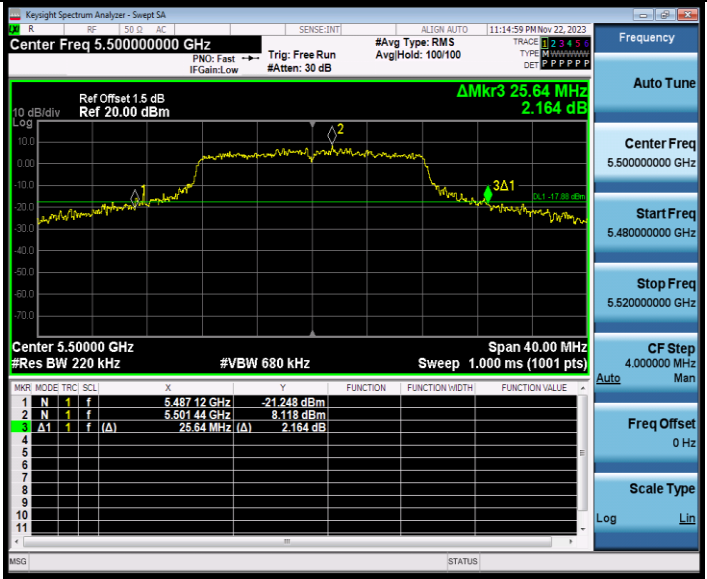
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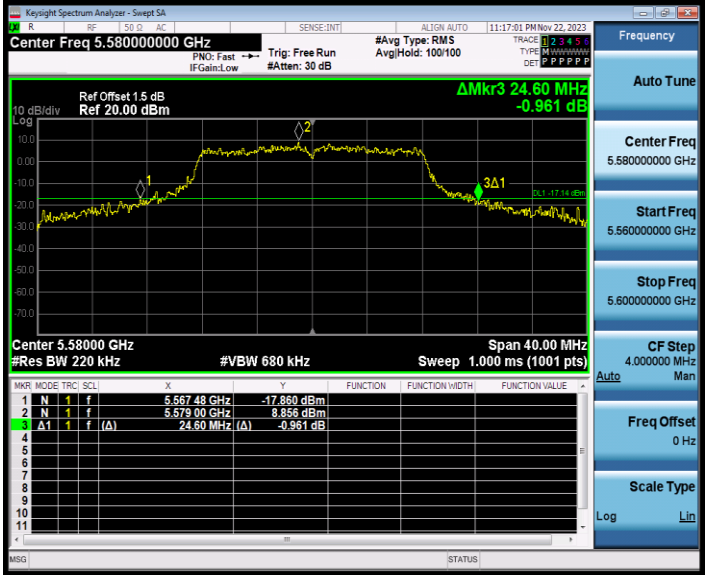
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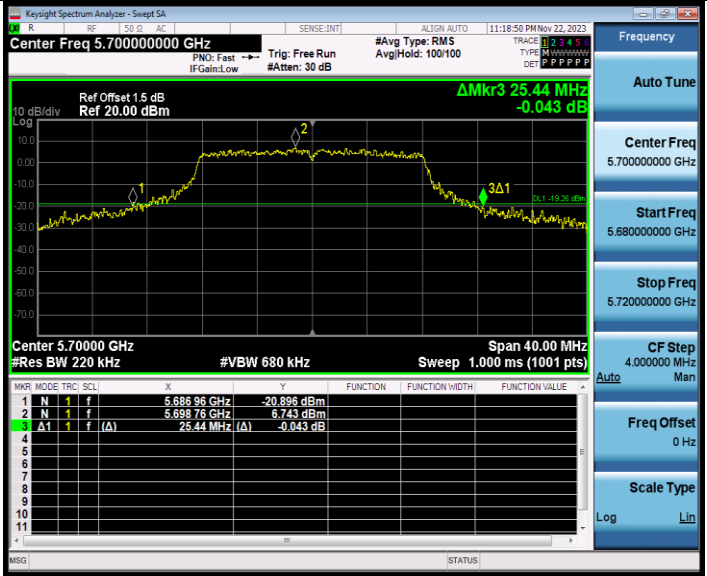
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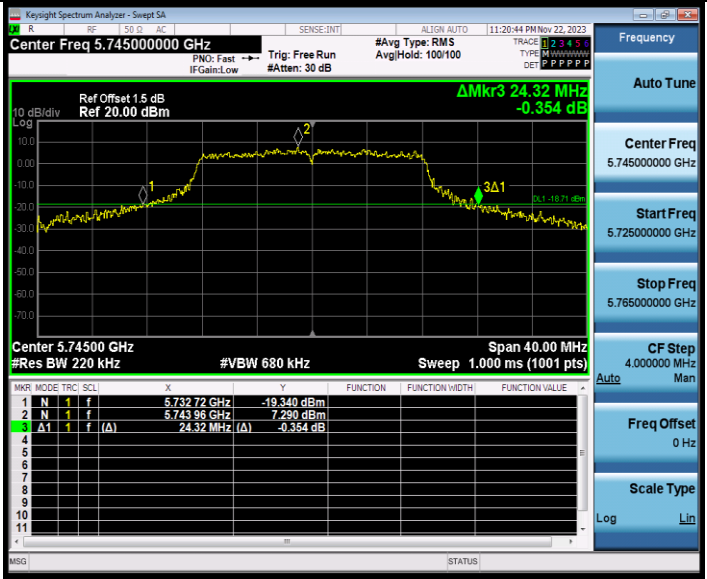
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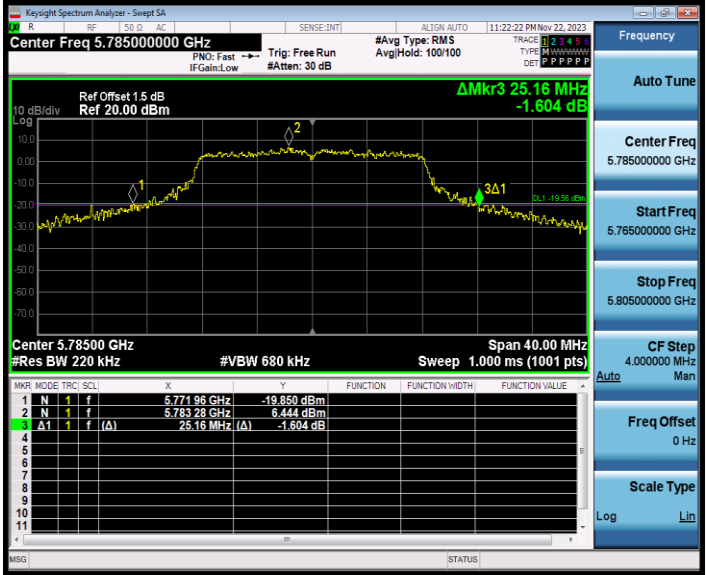
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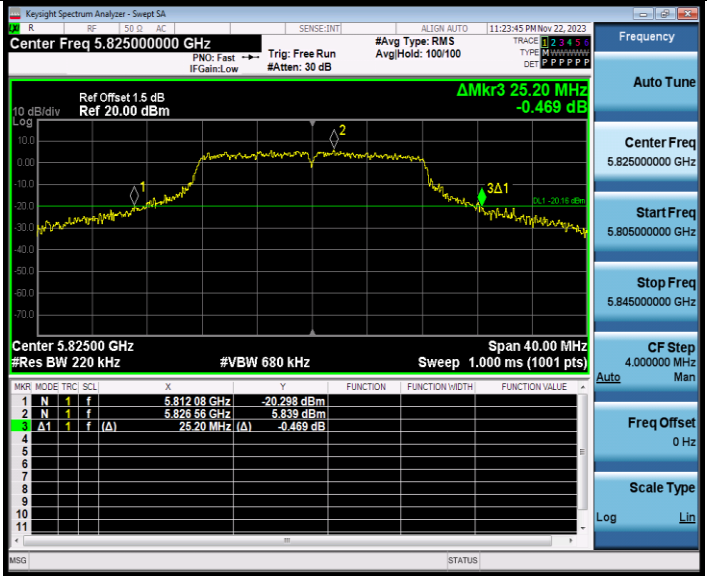
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11A5785



11A5825



11N20_5180



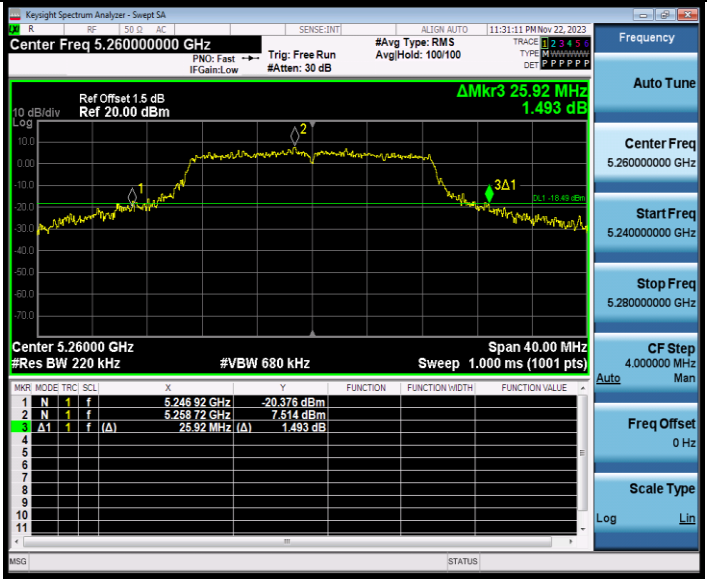
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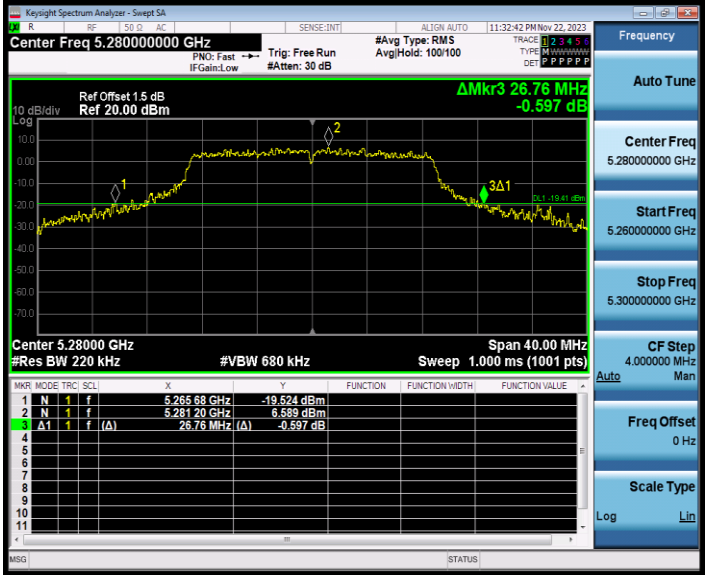
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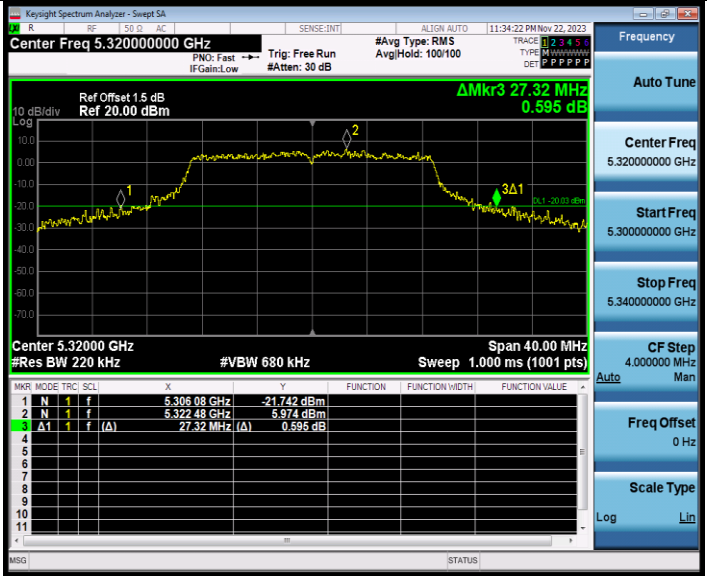
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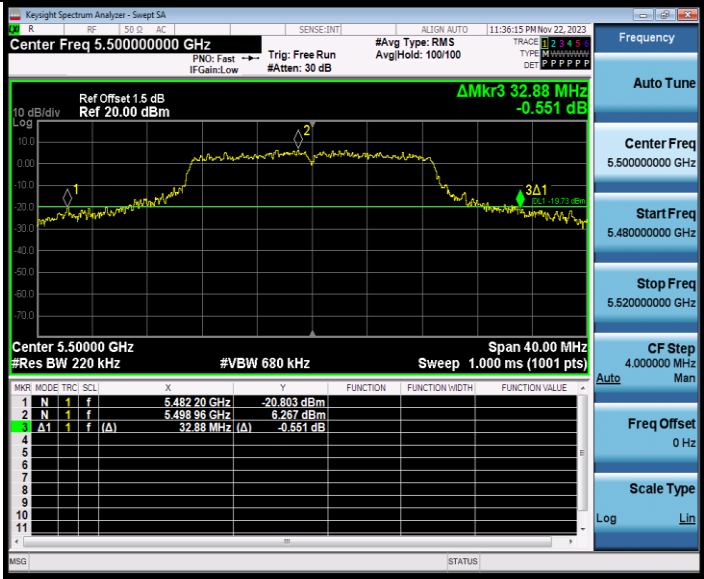
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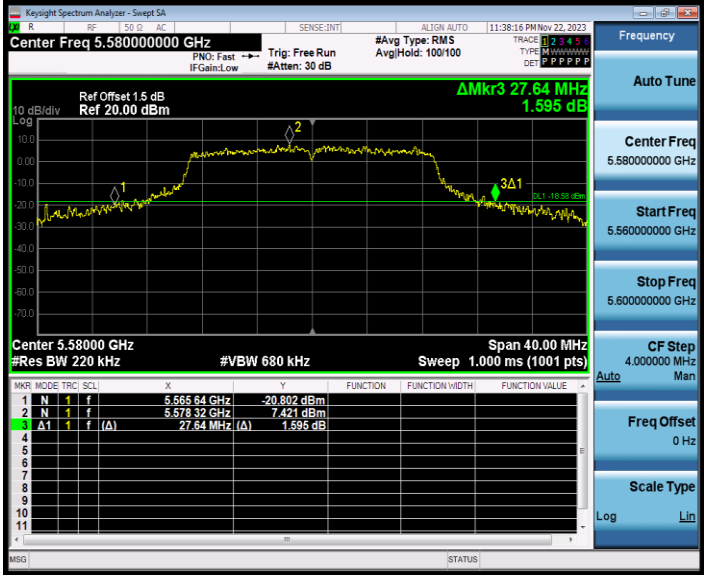
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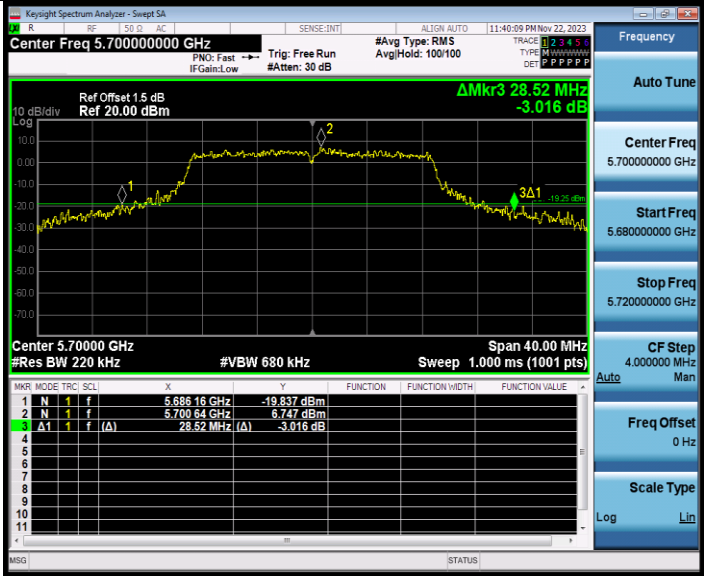
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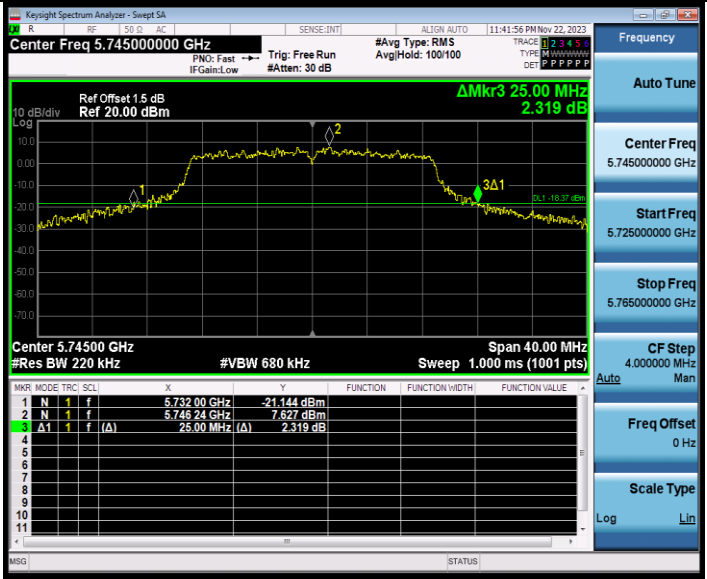
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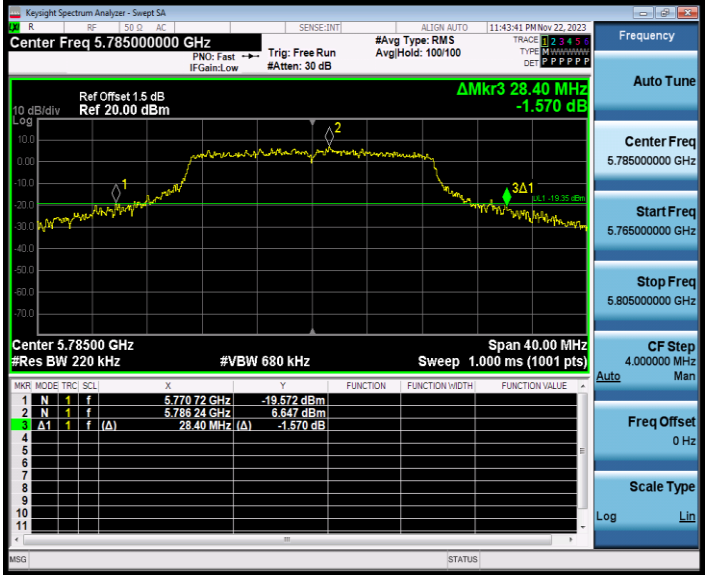
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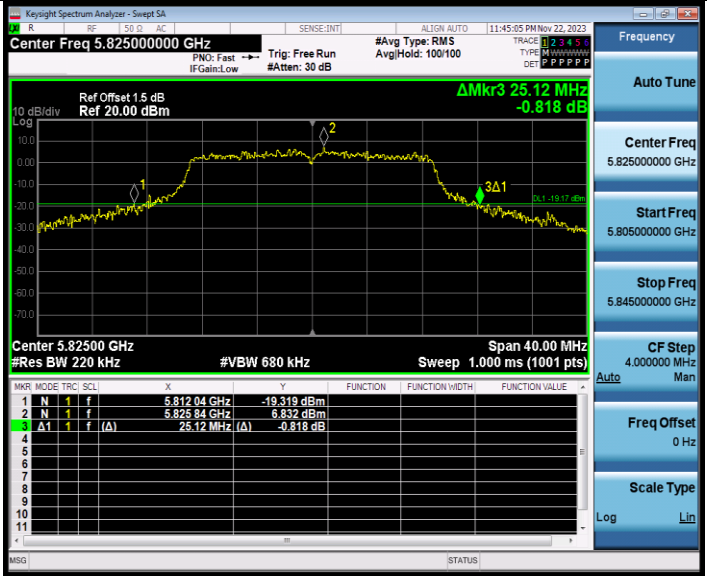
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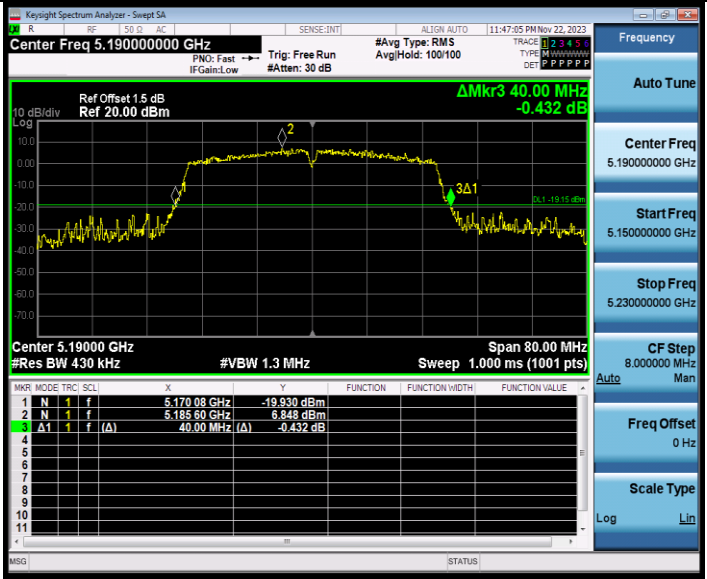
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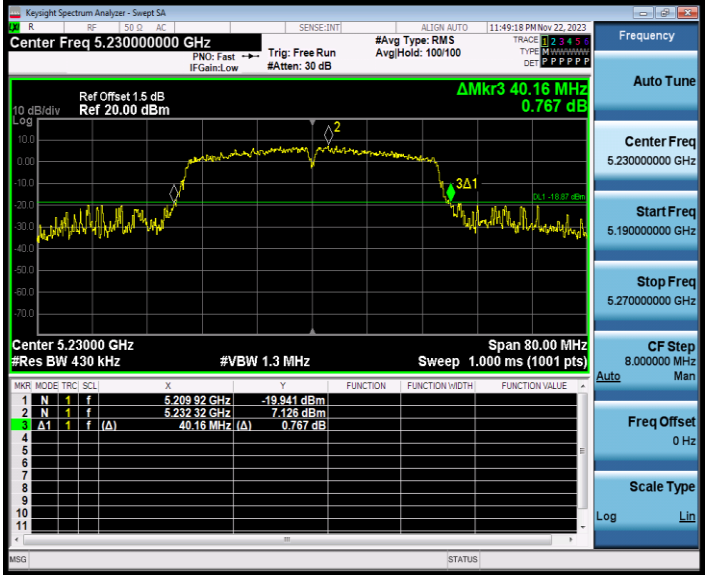
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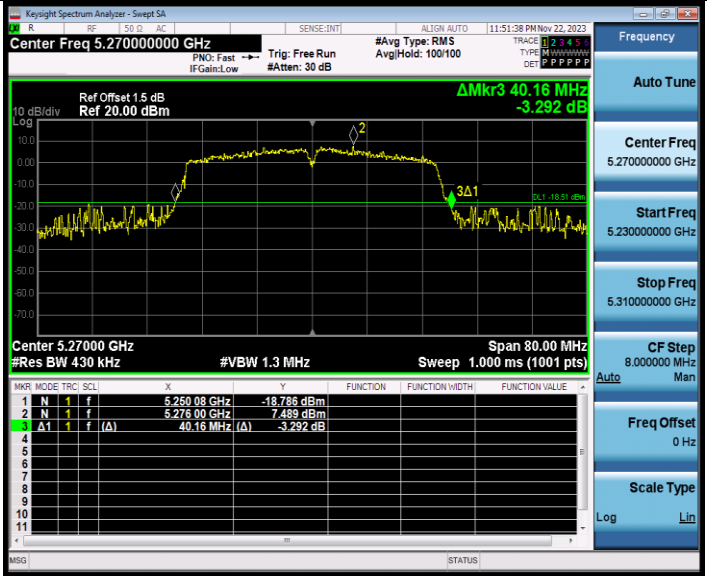
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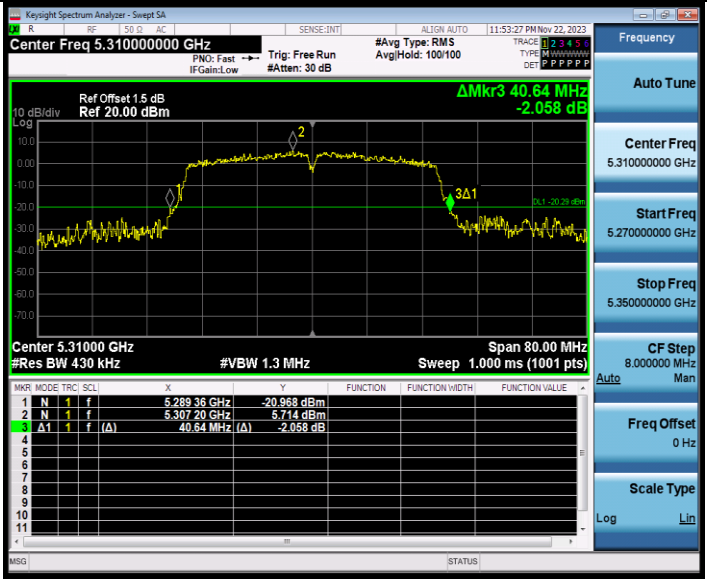
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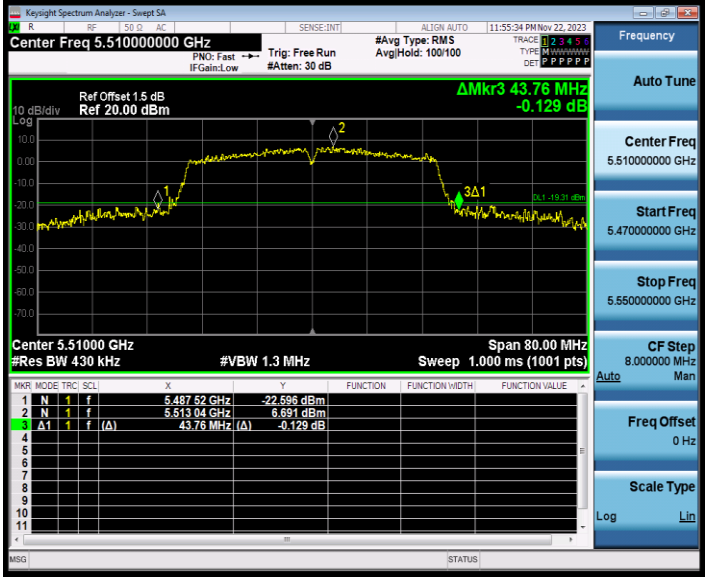
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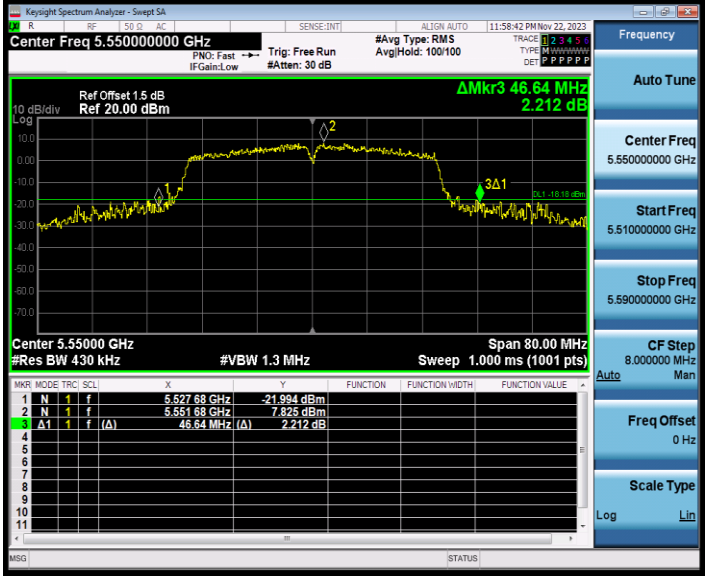
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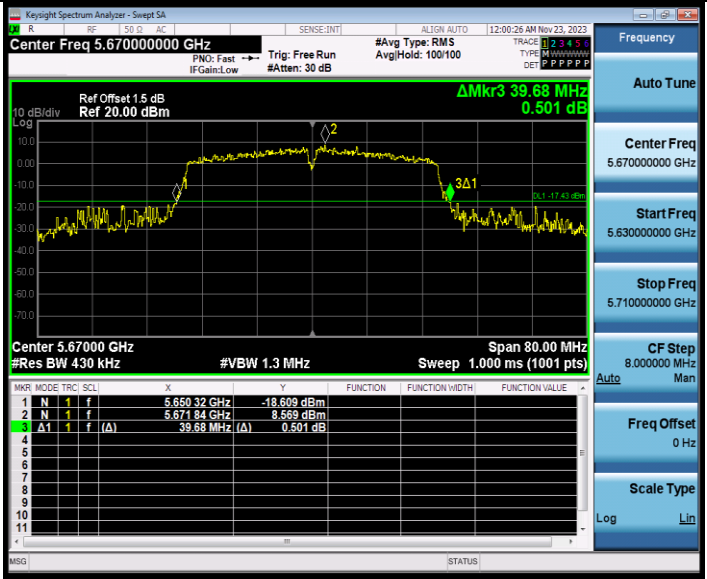
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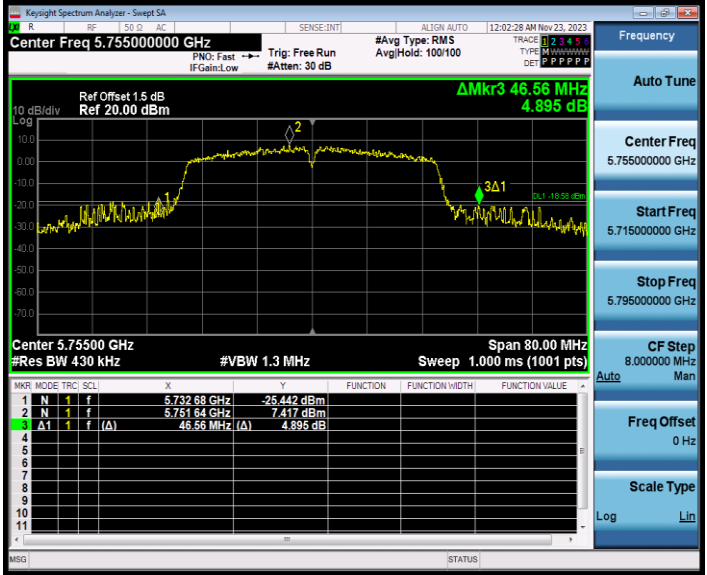
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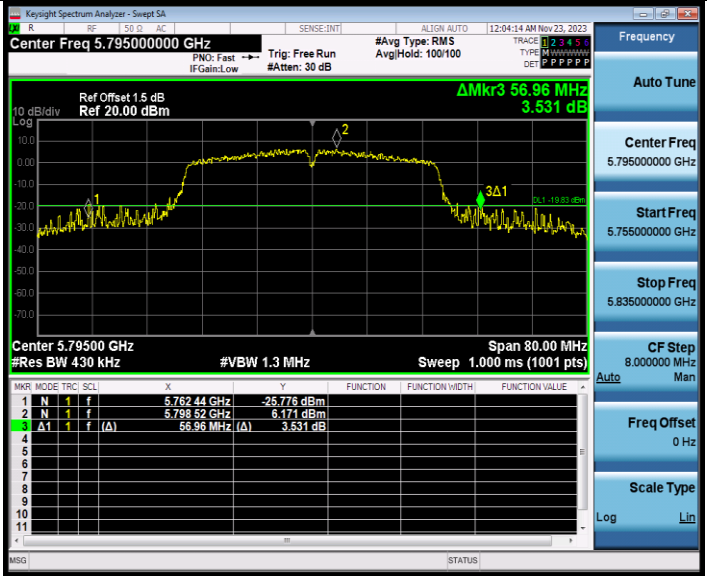
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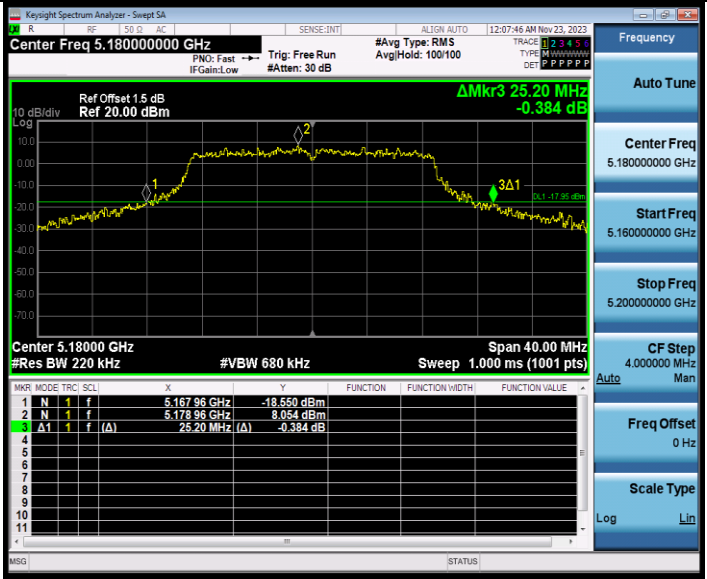
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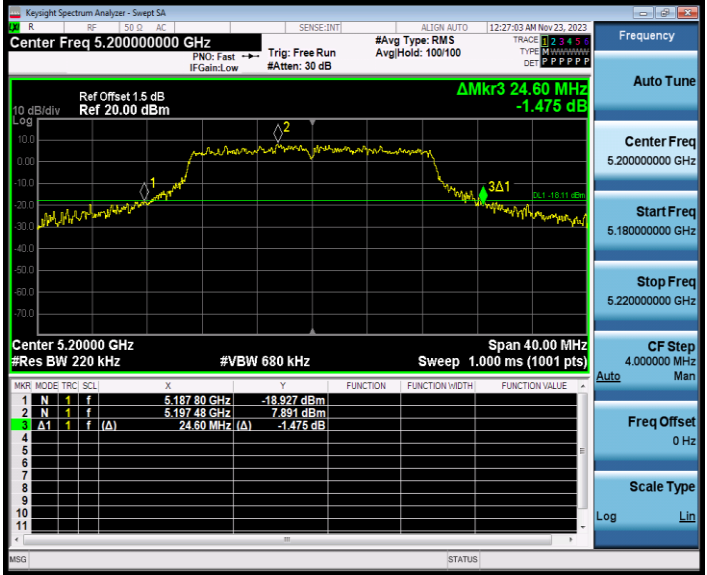
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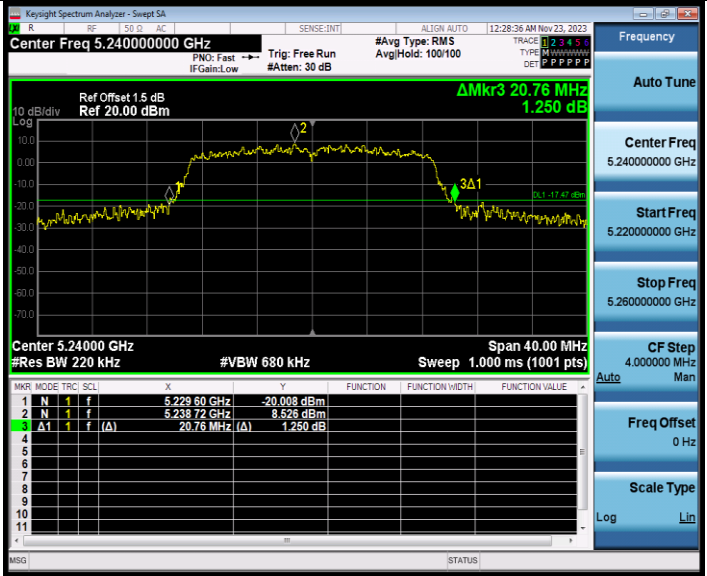
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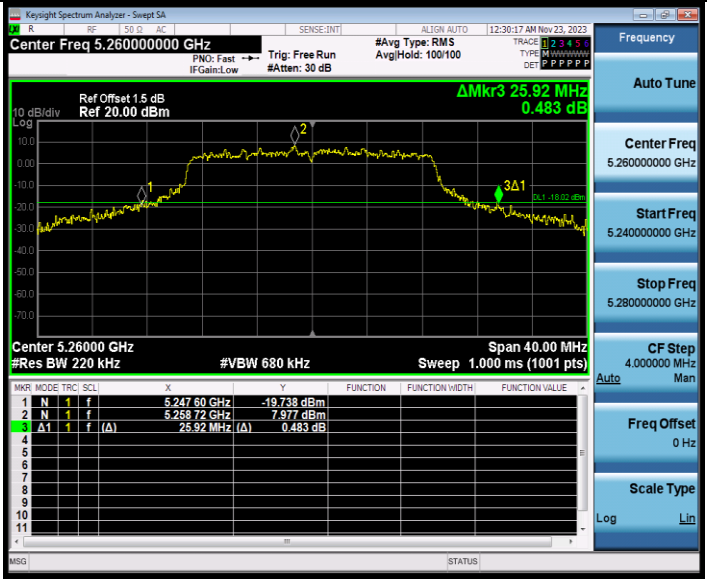
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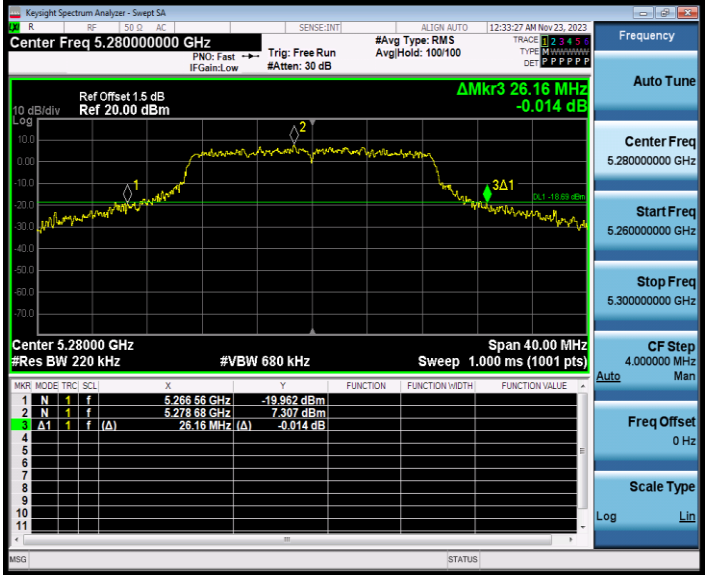
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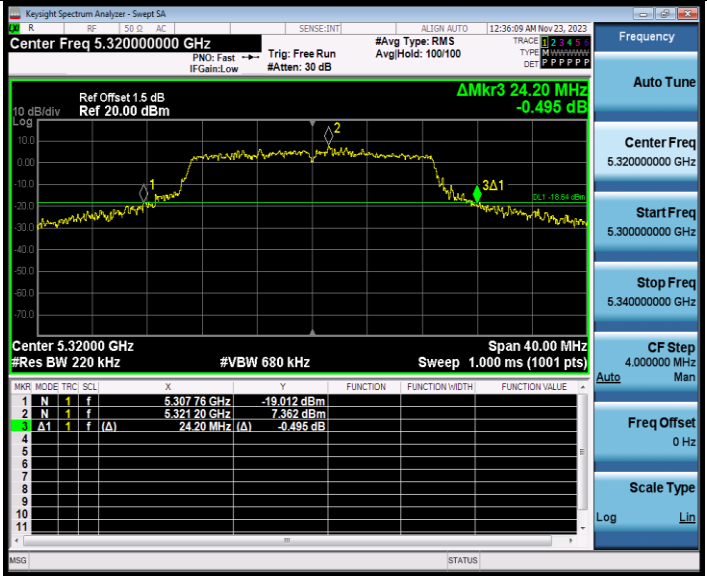
11AC20_5260



11AC20_5280



11AC20_5320



11AC20_5500