Appendix B

WCDMA Band II & V

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1. Effective (Isotropic) Radiated Power

1.1. Test Result

DOWN ANTENNA：

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	22.73	19.23	33.00	PASS
Band II	9400	22.76	19.26	33.00	PASS
Band II	9538	22.83	19.33	33.00	PASS

Band	Channel	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
Band V	4132	24.36	20.61	38.45	PASS
Band V	4182	24.35	20.6	38.45	PASS
Band V	4233	24.15	20.4	38.45	PASS

UP ANTENNA：

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	21.16	18.56	33.00	PASS
Band II	9400	21.03	18.43	33.00	PASS
Band II	9538	21.22	18.62	33.00	PASS

Band	Channel	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
Band V	4132	24.60	21.05	38.45	PASS
Band V	4182	24.57	21.02	38.45	PASS
Band V	4233	24.55	21	38.45	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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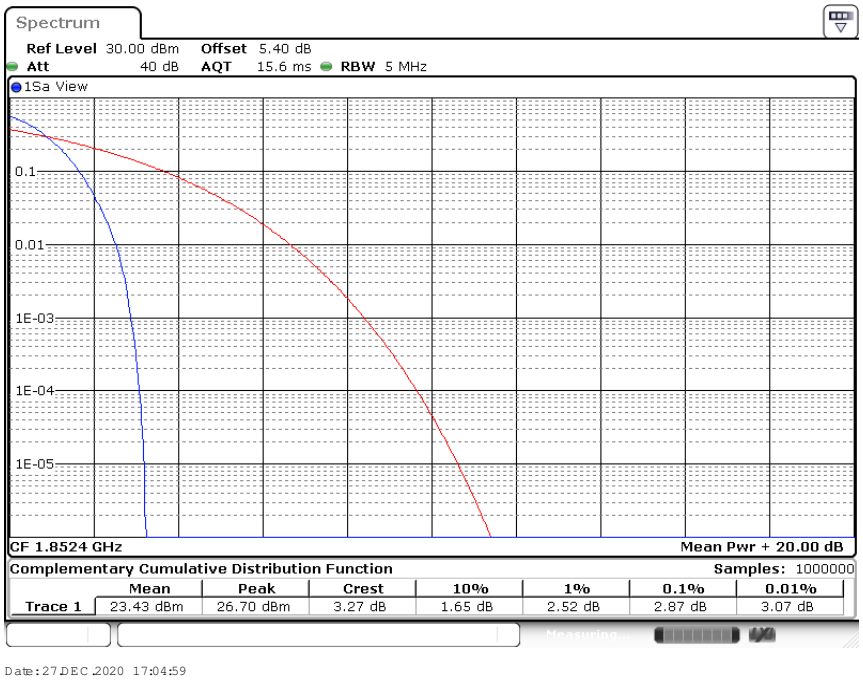
2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.87	13	PASS
Band2	9400	2.75	13	PASS
Band2	9538	2.72	13	PASS
Band5	4132	3.16	13	PASS
Band5	4182	3.07	13	PASS
Band5	4233	3.04	13	PASS

2.2. Test Plots

Band2-9262



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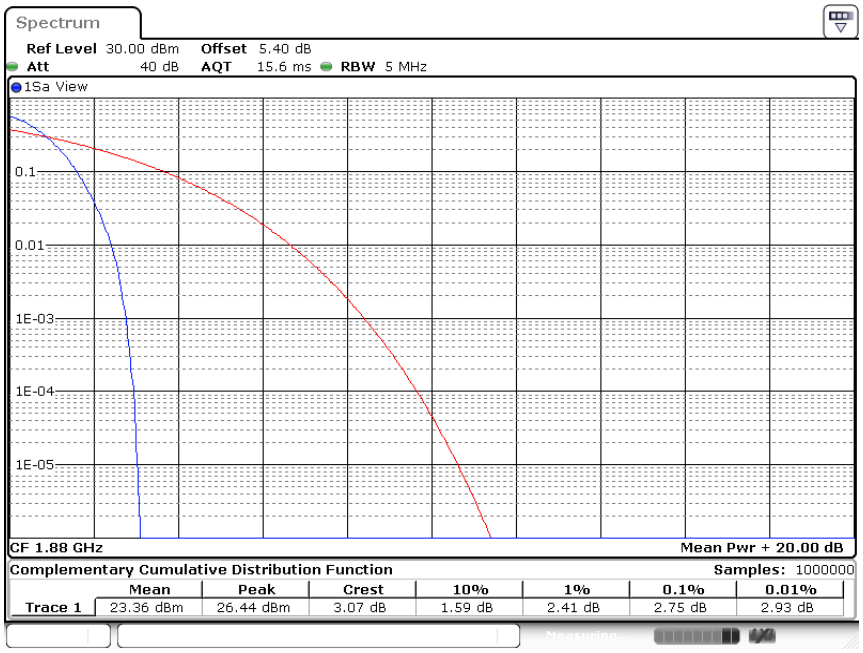
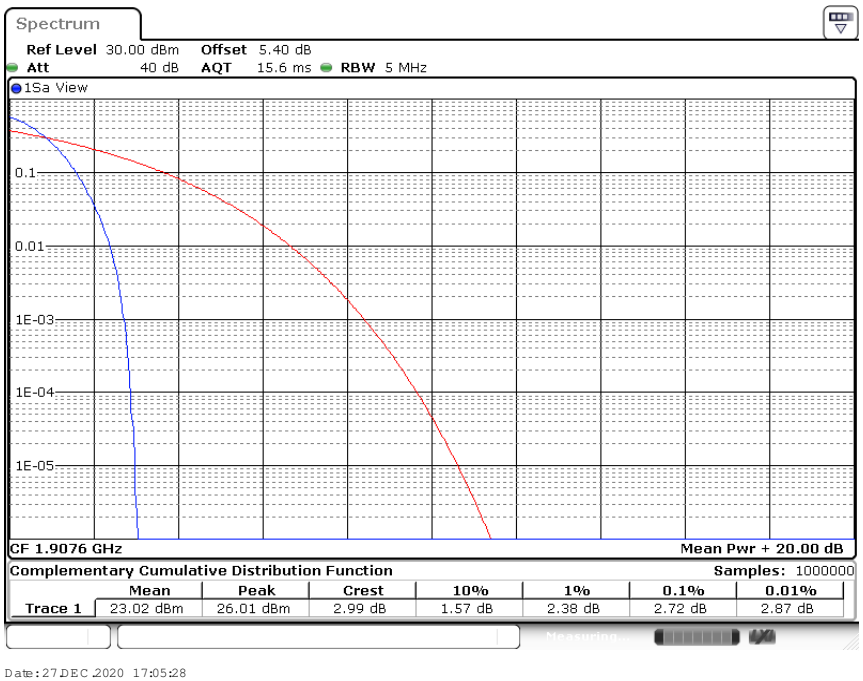
Band2-9400



Band2-9538



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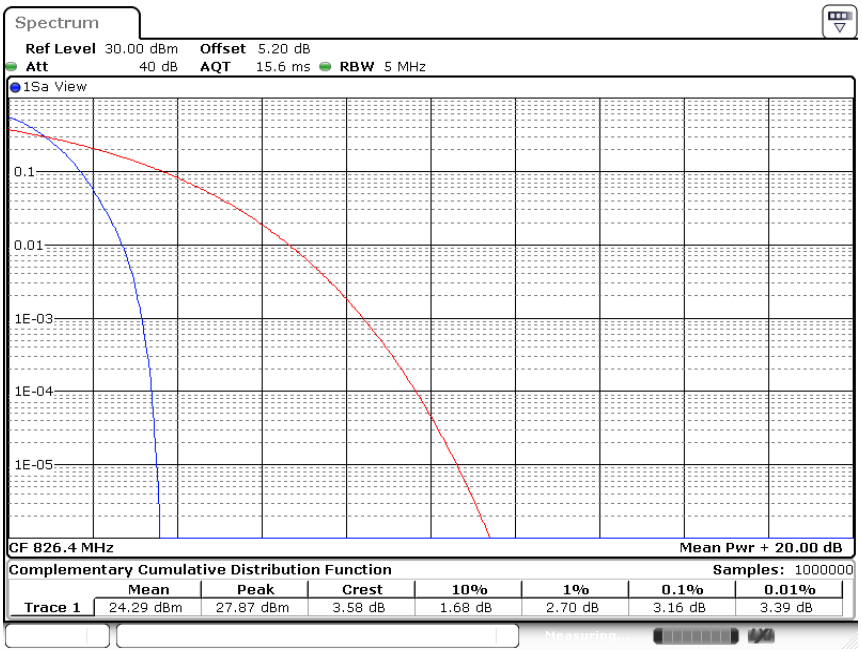
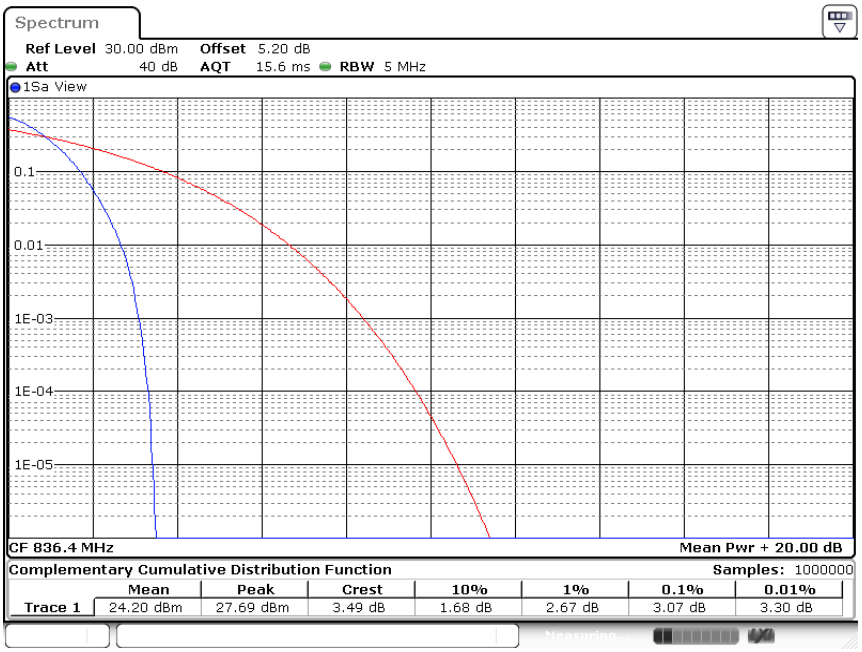
Band5-4132



Band5-4182



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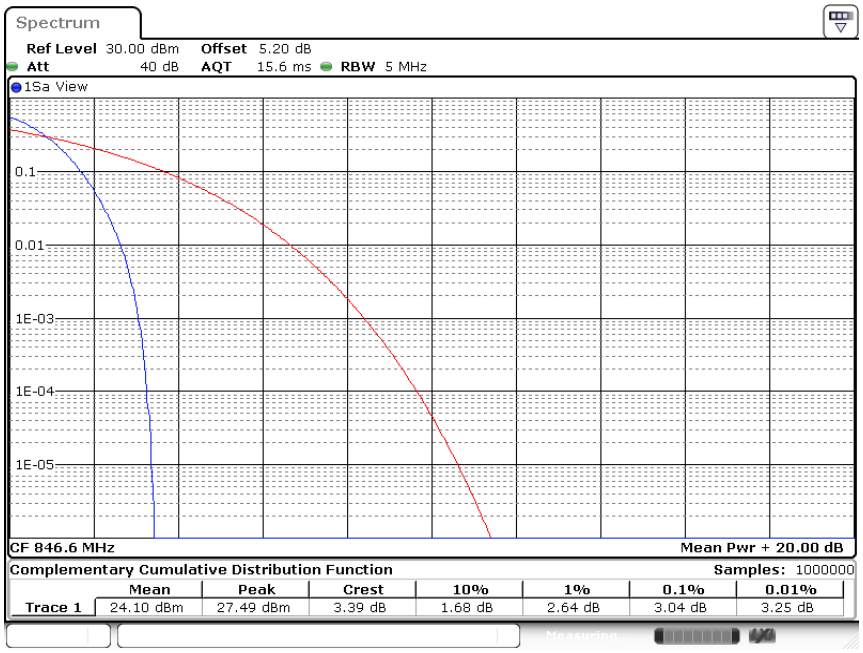
Band5-4233



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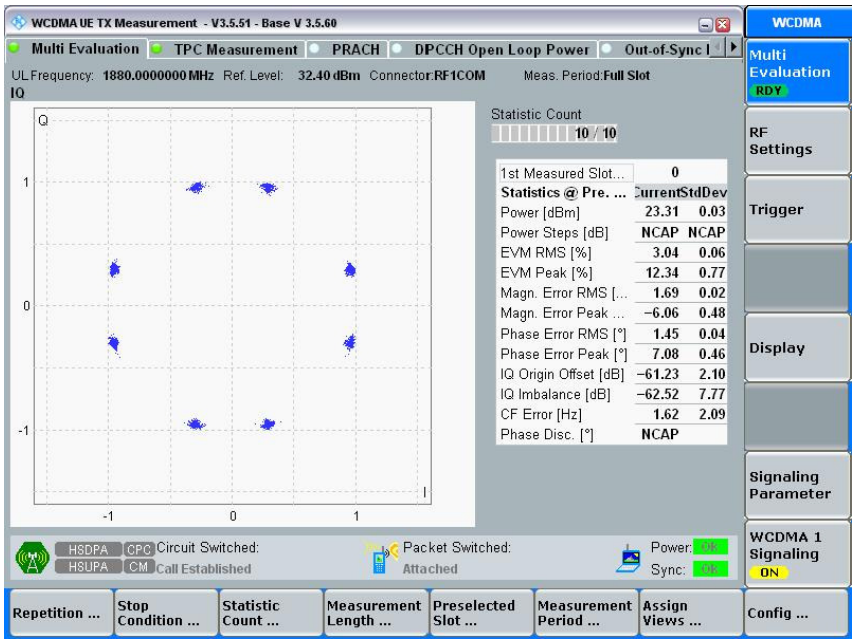
3. Modulation Characteristics

3.1. Test Band = WCDMA Band II

3.1.1. Test Mode = UMTS/TM1

3.1.1.1. Test Channel = MCH



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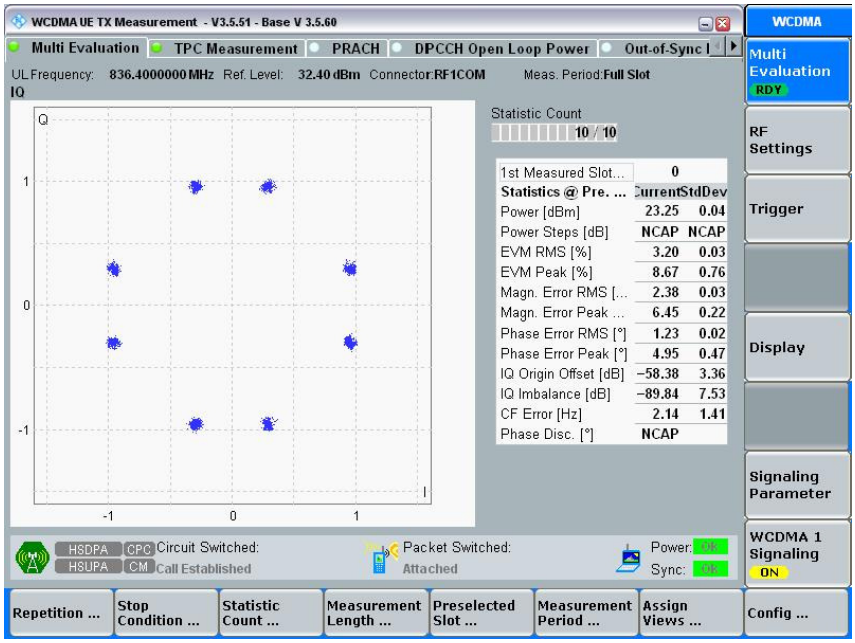
3.2. Test Band = WCDMA Band V

3.2.1. Test Mode = UMTS/TM1

3.2.1.1. Test Channel = MCH



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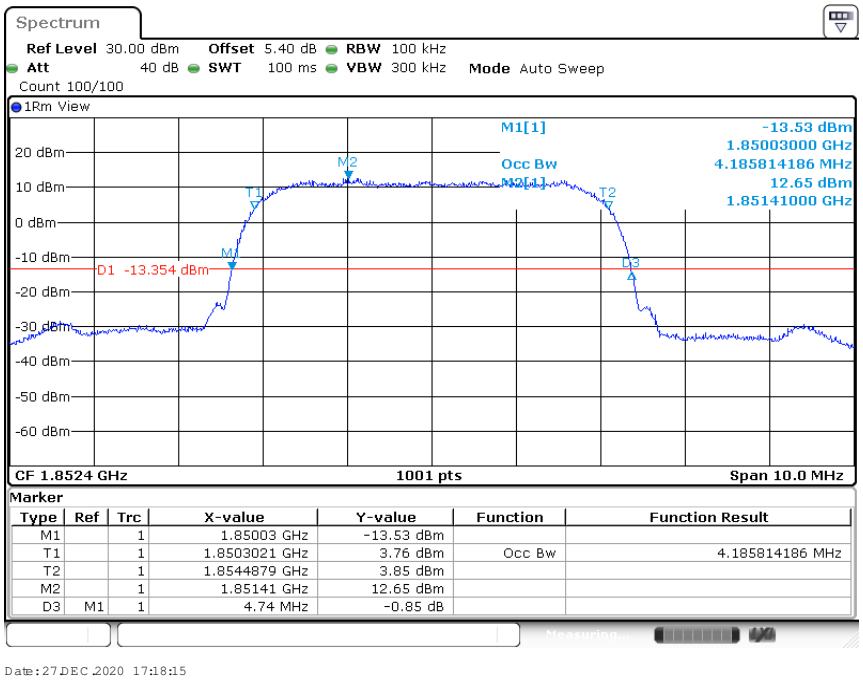
4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.186	4.740	---	PASS
Band2	9400	4.186	4.750	---	PASS
Band2	9538	4.186	4.760	---	PASS
Band5	4132	4.186	4.740	---	PASS
Band5	4182	4.186	4.720	---	PASS
Band5	4233	4.176	4.730	---	PASS

4.2. Test Plots

Band2-9262



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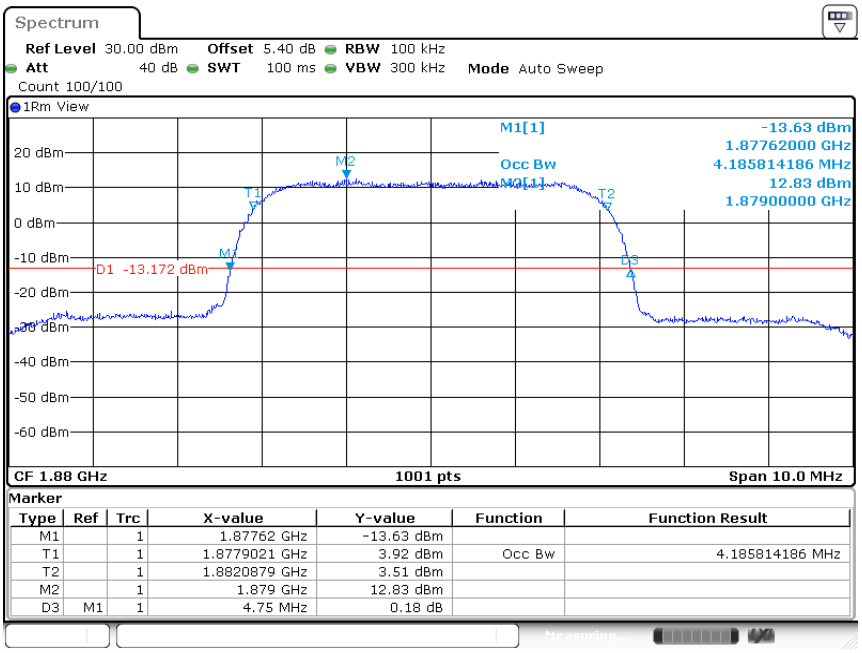
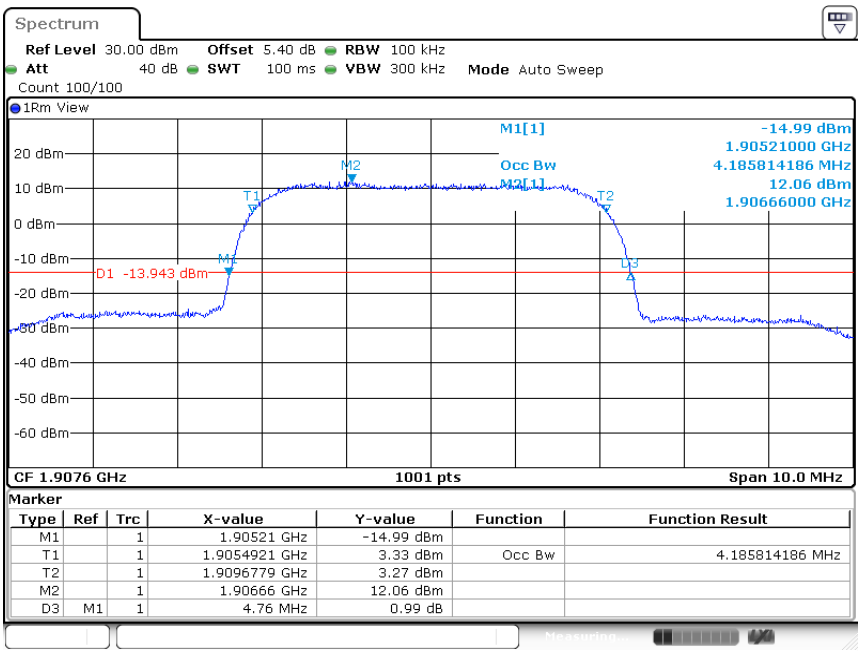
Band2-9400



Band2-9538



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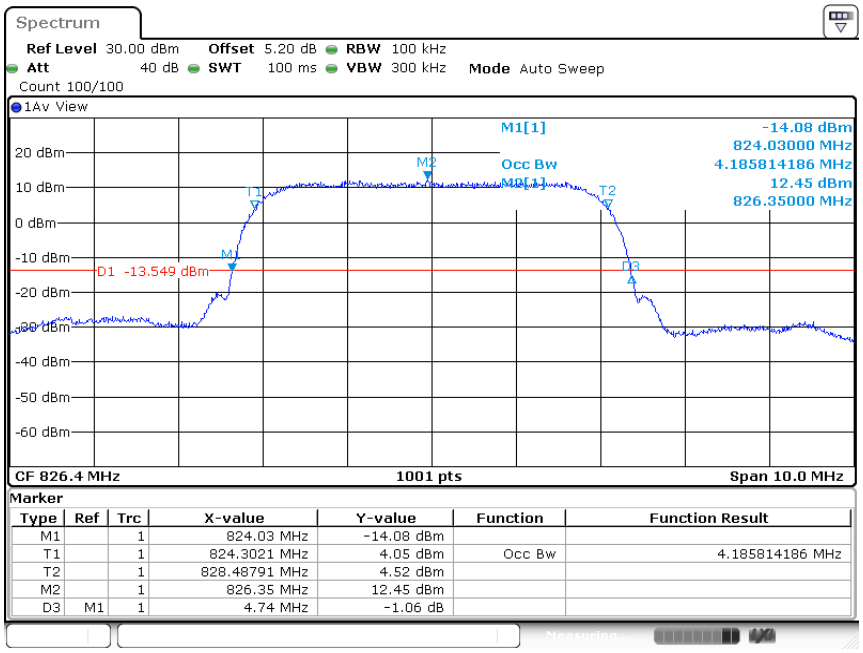
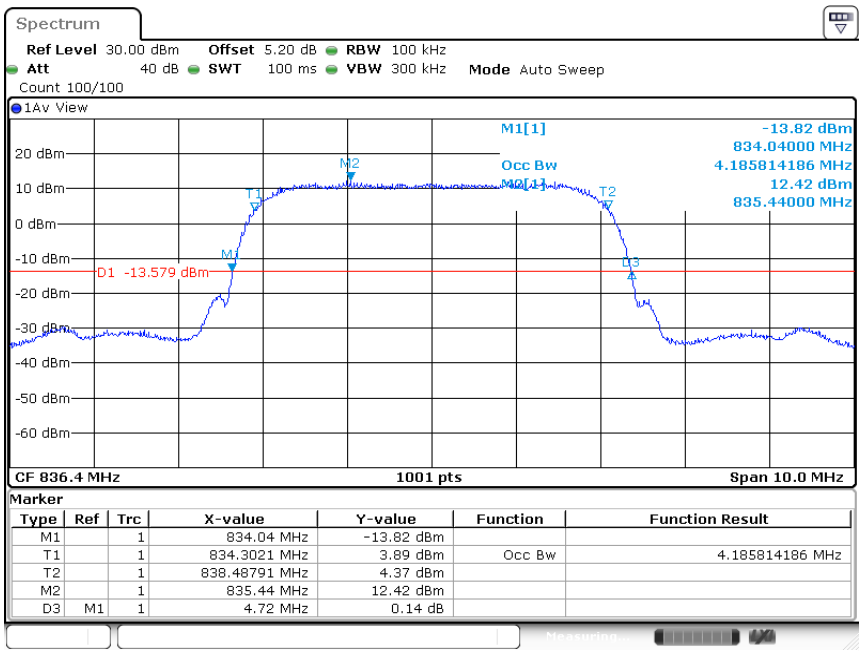
Band5-4132



Band5-4182



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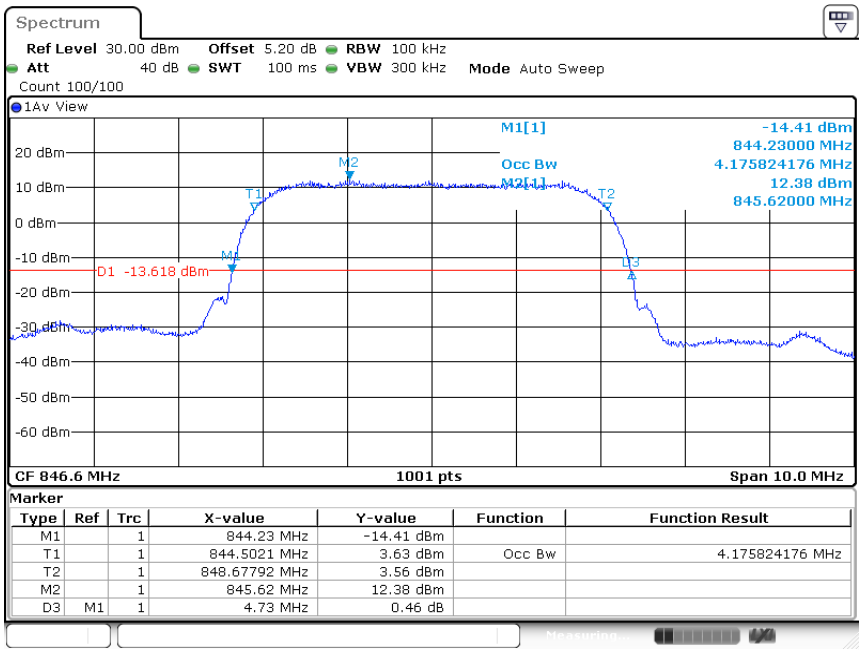
Band5-4233



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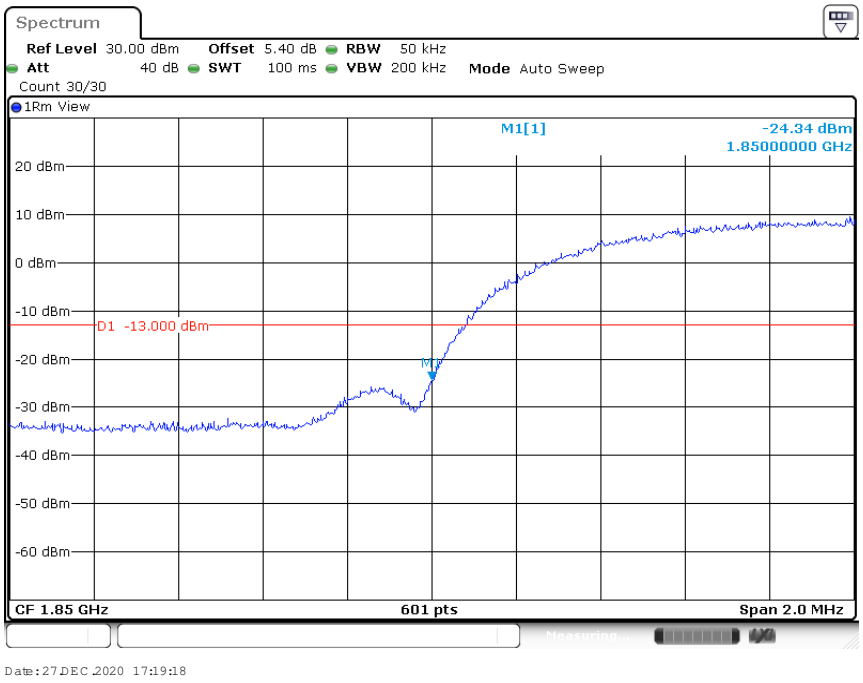
5. Band Edge Compliance

5.1. Test Plots

Band2-9262



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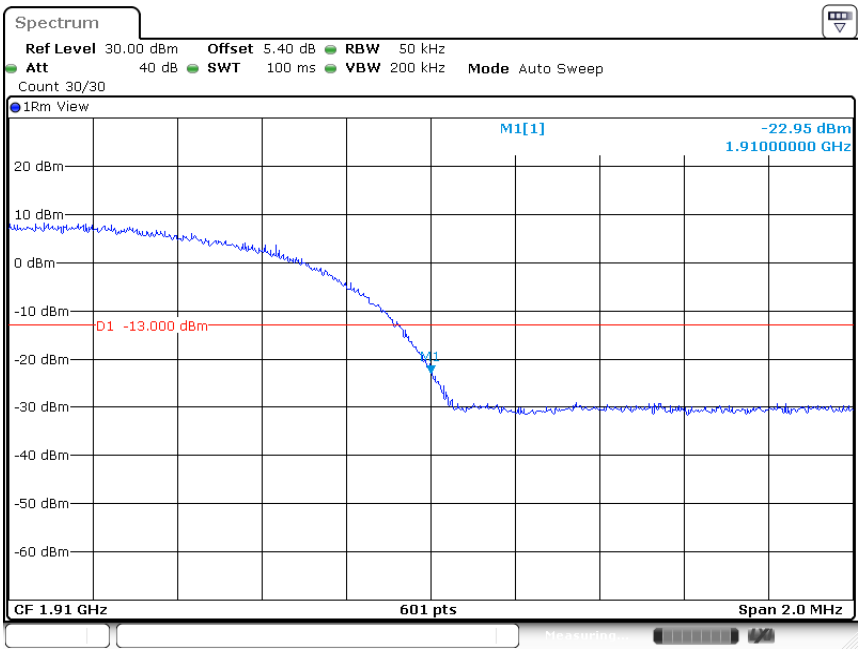
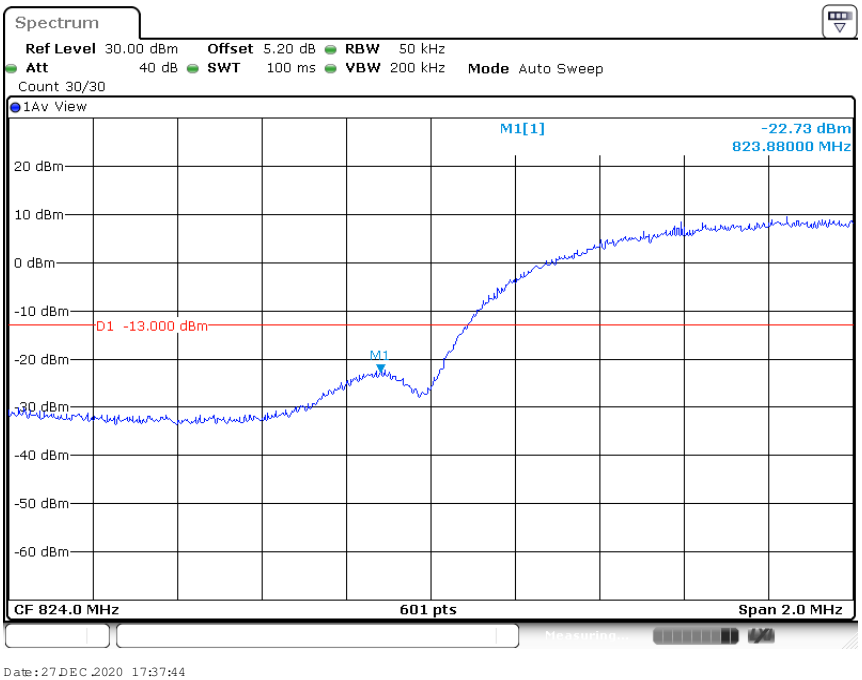
Band2-9538



Band5-4132



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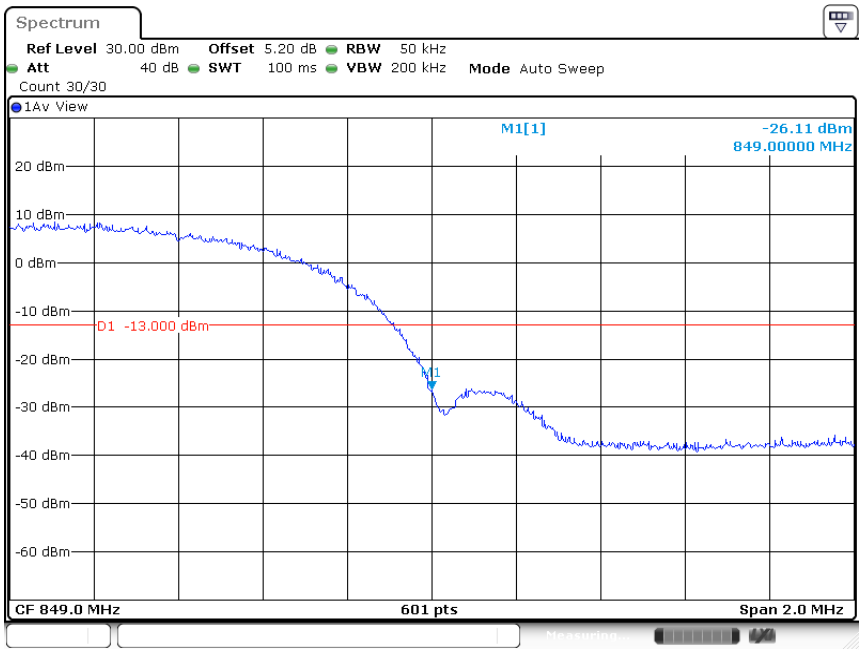
Band5-4233


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6. Spurious Emission at Antenna Terminal

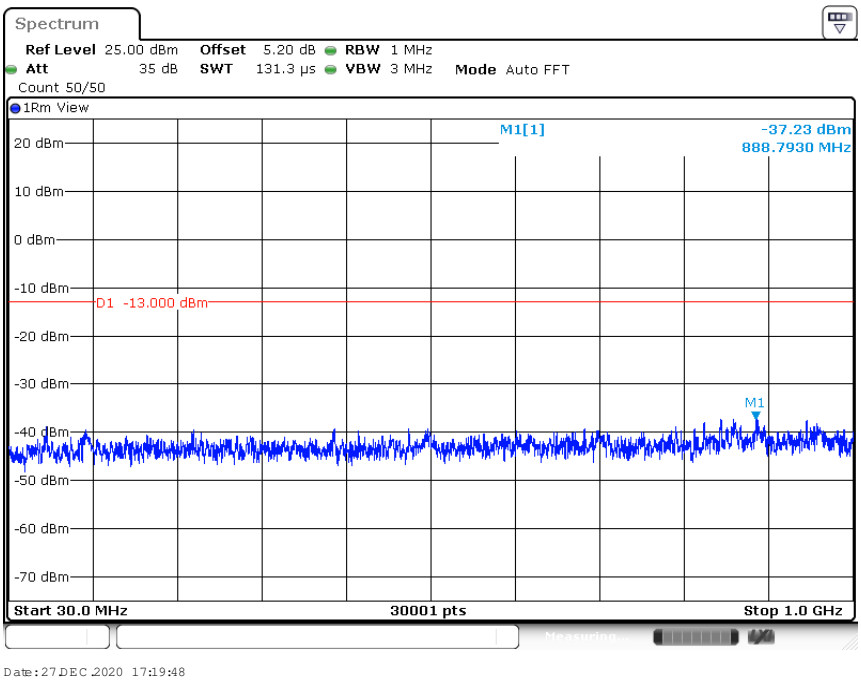
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: According to KDB971168 D01 Power Meas License Digital Systems, the amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

6.1. Test Plots

Band2-9262-30~1000MHz



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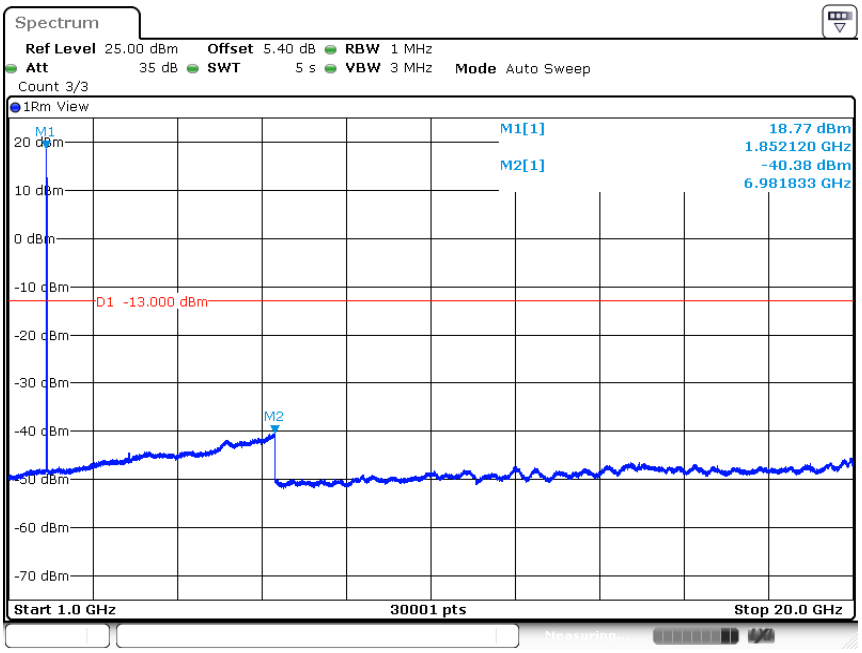
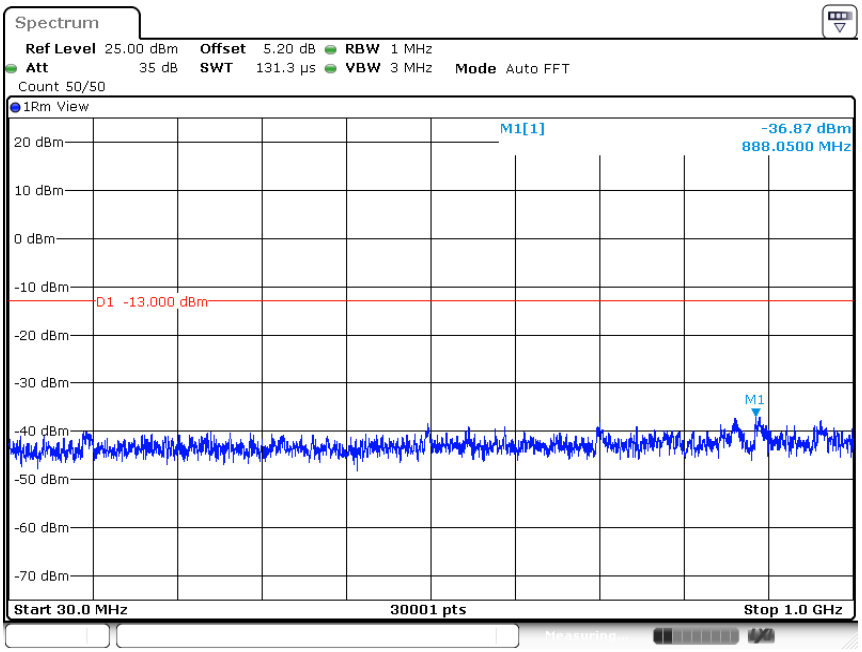
Band2-9262-1000~20000MHz



Date: 27.DEC.2020 17:20:14

Band2-9400-30~1000MHz



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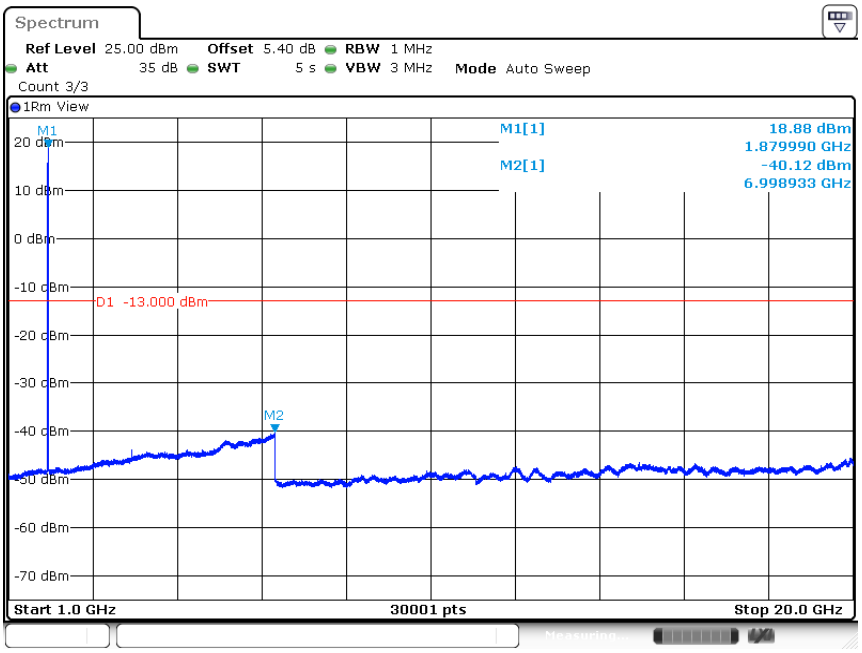
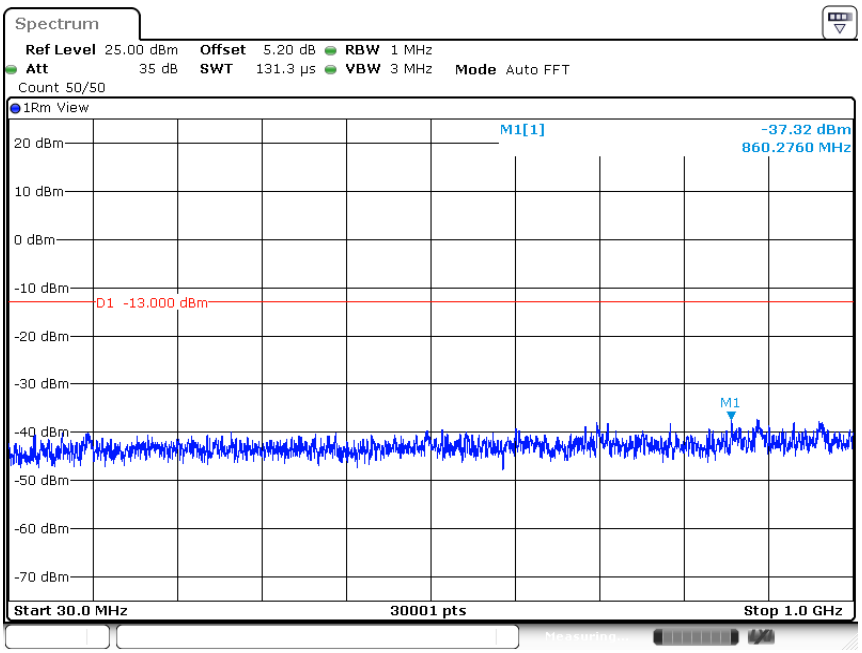
Band2-9400-1000~20000MHz



Date: 27.DEC.2020 17:20:54

Band2-9538-30~1000MHz



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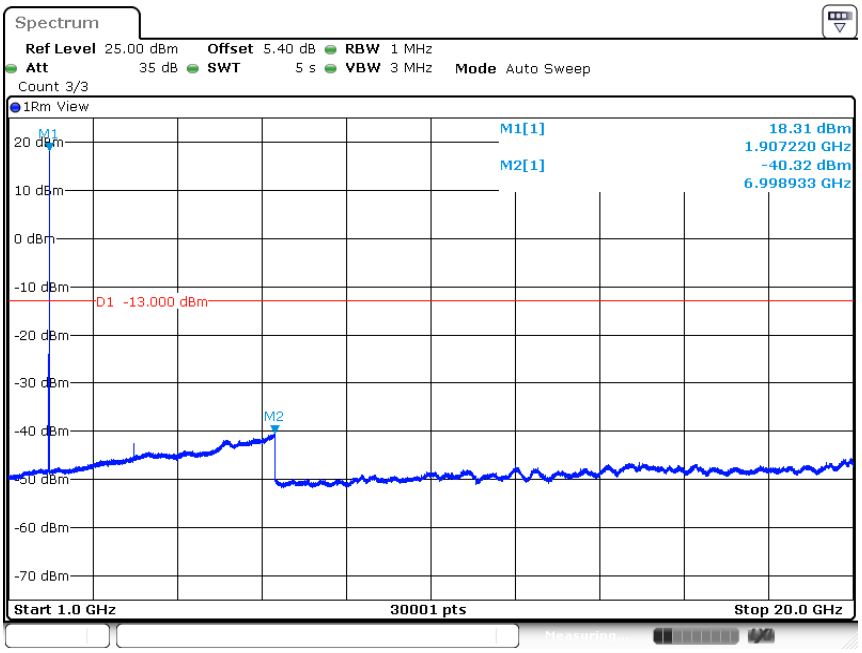
Band2-9538-1000~20000MHz



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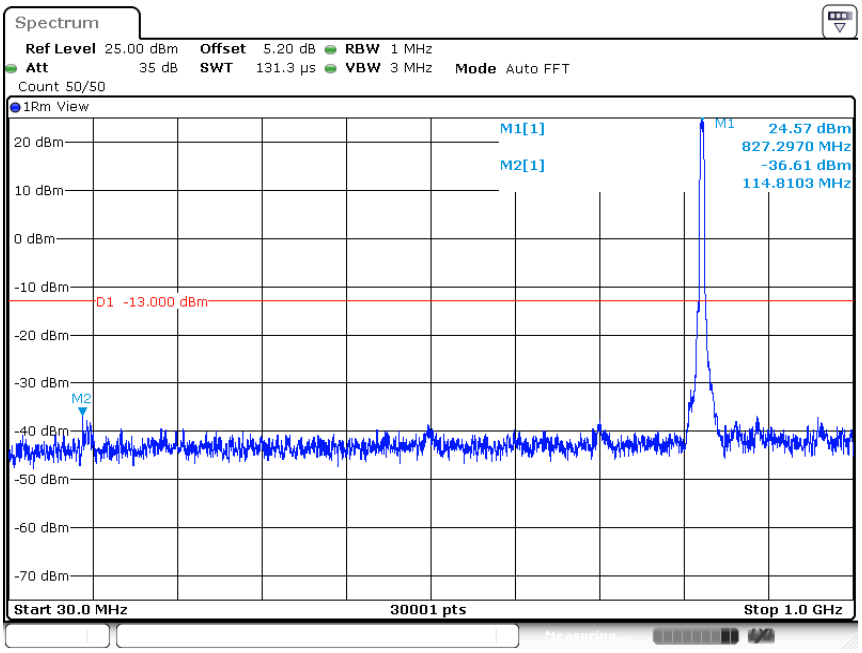
Band5-4132-30~1000MHz



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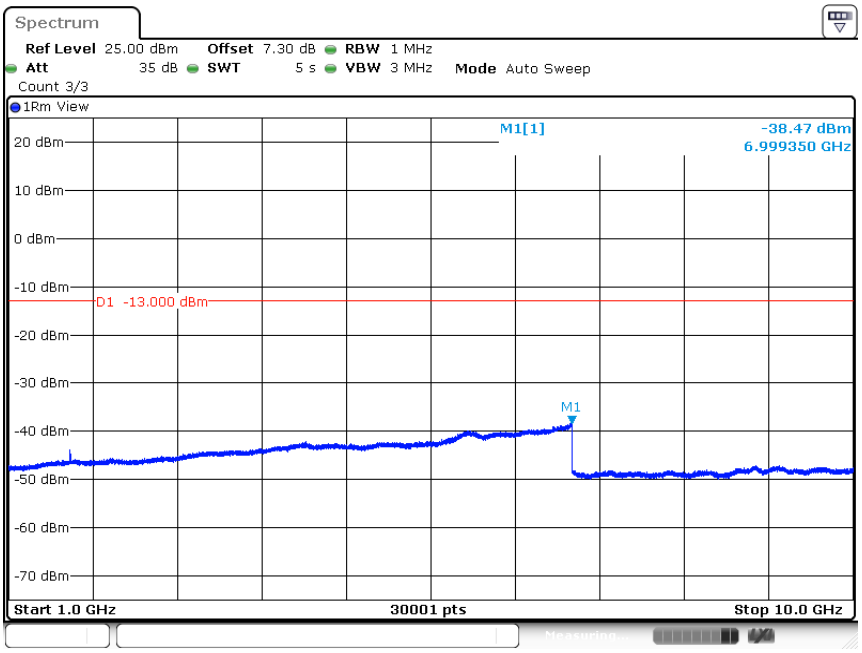
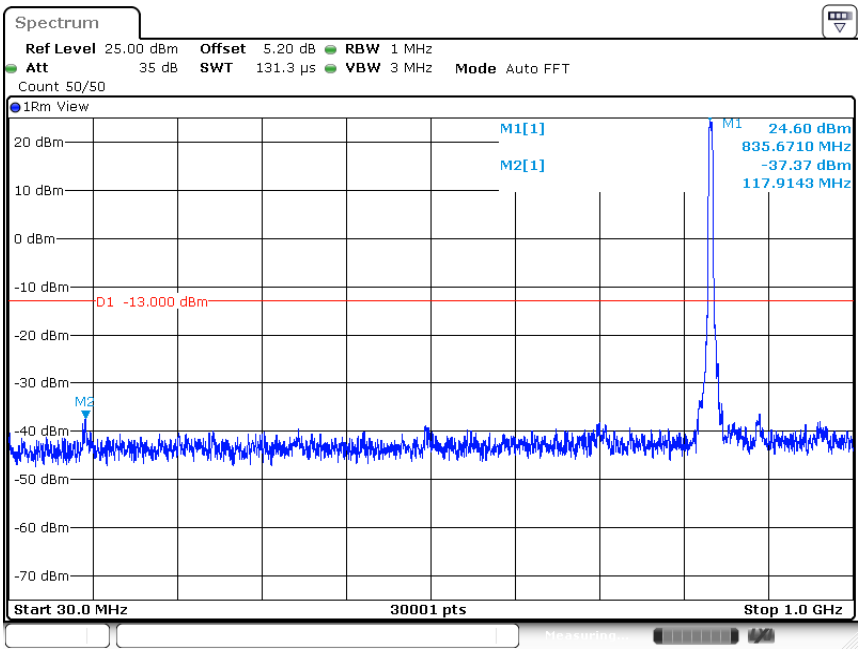
Band5-4132-1000~10000MHz



Date: 27.DEC.2020 17:38:39

Band5-4182-30~1000MHz



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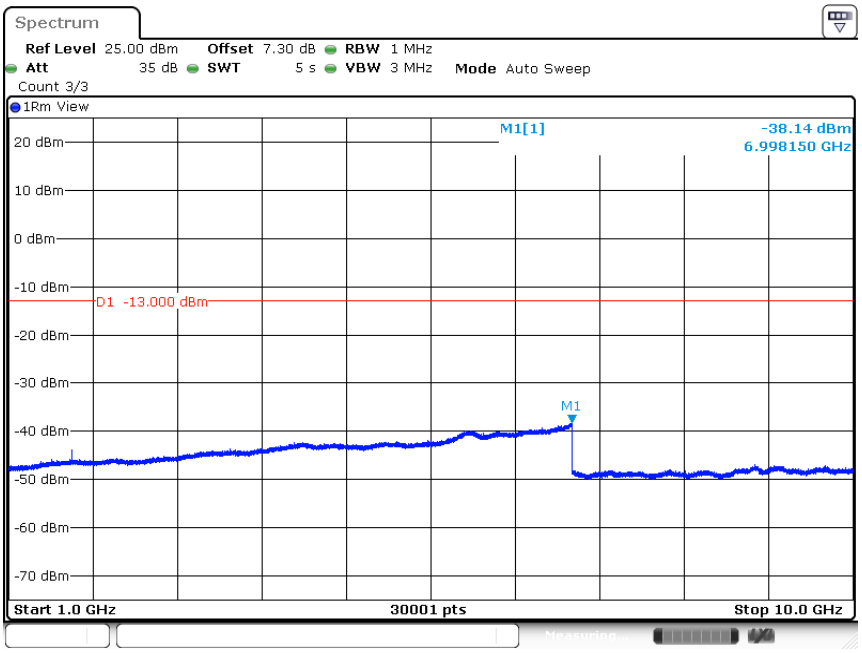
Band5-4182-1000~10000MHz



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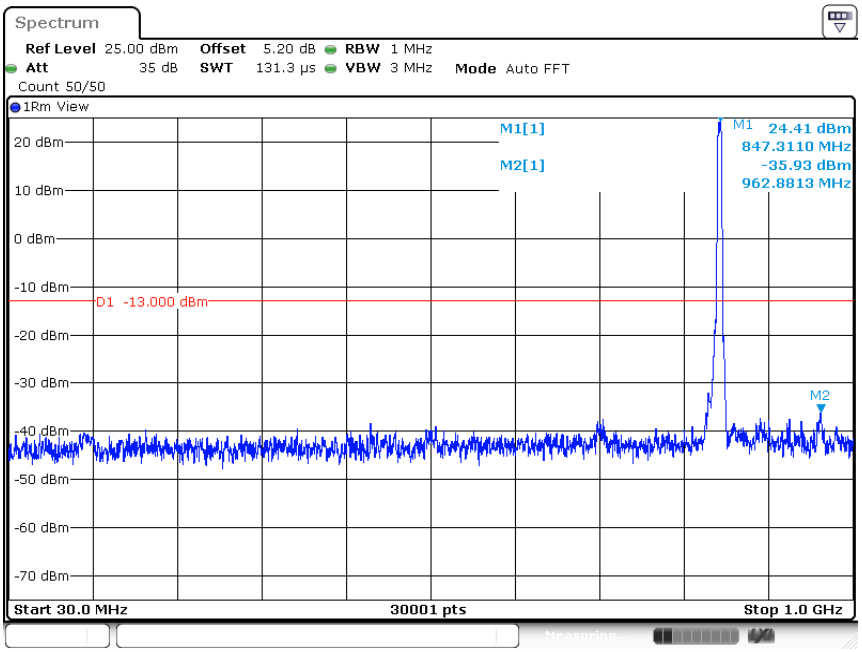
Band5-4233-30~1000MHz



Date:27.DEC.2020 17:39:34

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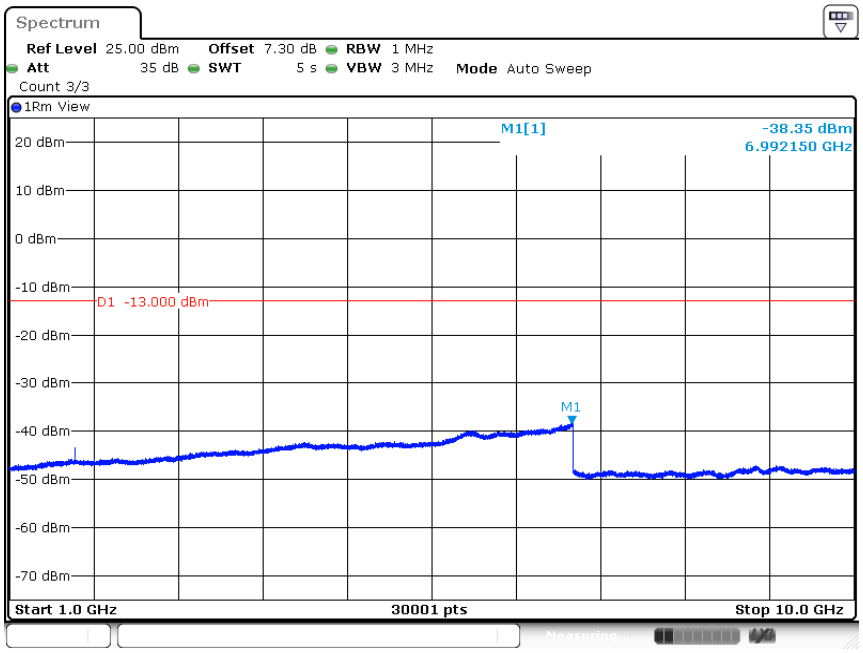
Band5-4233-1000~10000MHz


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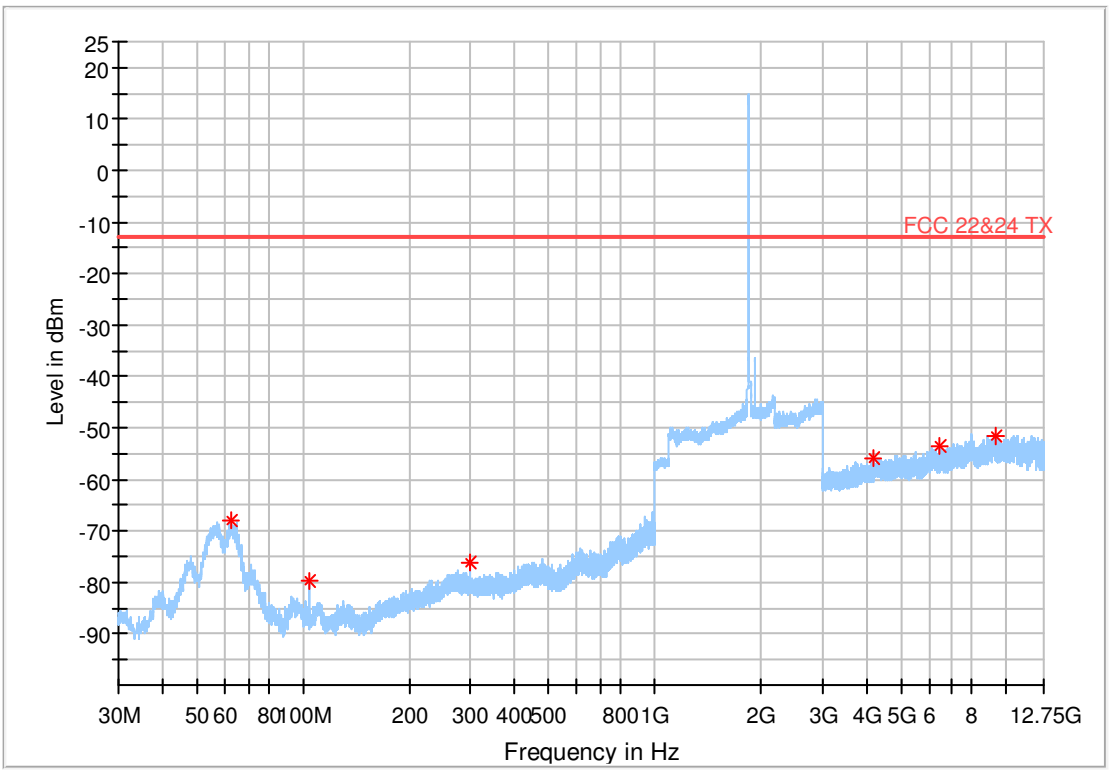
7. Field Strength of Spurious Radiation

7.1. Test Band = WCDMA Band II(DOWN ANTENNA)

7.1.1.Test Mode =WCDMA/TM1

7.1.1.1. Test Channel = LCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.450000	-68.09	-13.00	55.09	---	---	200.0	H	105.0	-95.1
104.300000	-79.85	-13.00	66.85	---	---	200.0	H	169.0	-109.6
298.100000	-76.23	-13.00	63.23	---	---	200.0	H	29.0	-103.0
4193.075000	-55.90	-13.00	42.90	---	---	200.0	H	107.0	-103.0
6474.250000	-53.62	-13.00	40.62	---	---	200.0	H	167.0	-99.5
9326.125000	-51.72	-13.00	38.72	---	---	200.0	H	0.0	-96.8

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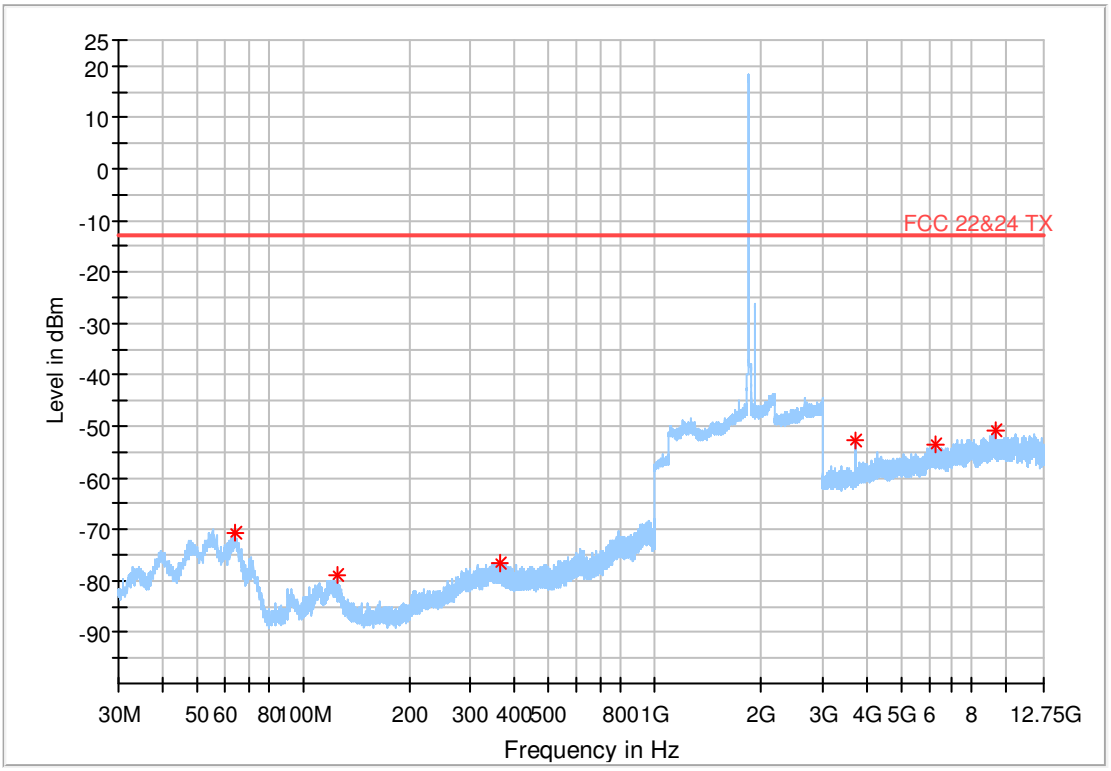
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.450000	-70.75	-13.00	57.75	---	---	200.0	V	177.0	-99.9
125.000000	-78.90	-13.00	65.90	---	---	200.0	V	0.0	-103.8
365.450000	-76.67	-13.00	63.67	---	---	200.0	V	104.0	-101.7
3702.650000	-52.74	-13.00	39.74	---	---	200.0	V	49.0	-104.4
6257.150000	-53.63	-13.00	40.63	---	---	200.0	V	38.0	-99.9
9253.325000	-50.75	-13.00	37.75	---	---	200.0	V	106.0	-96.7

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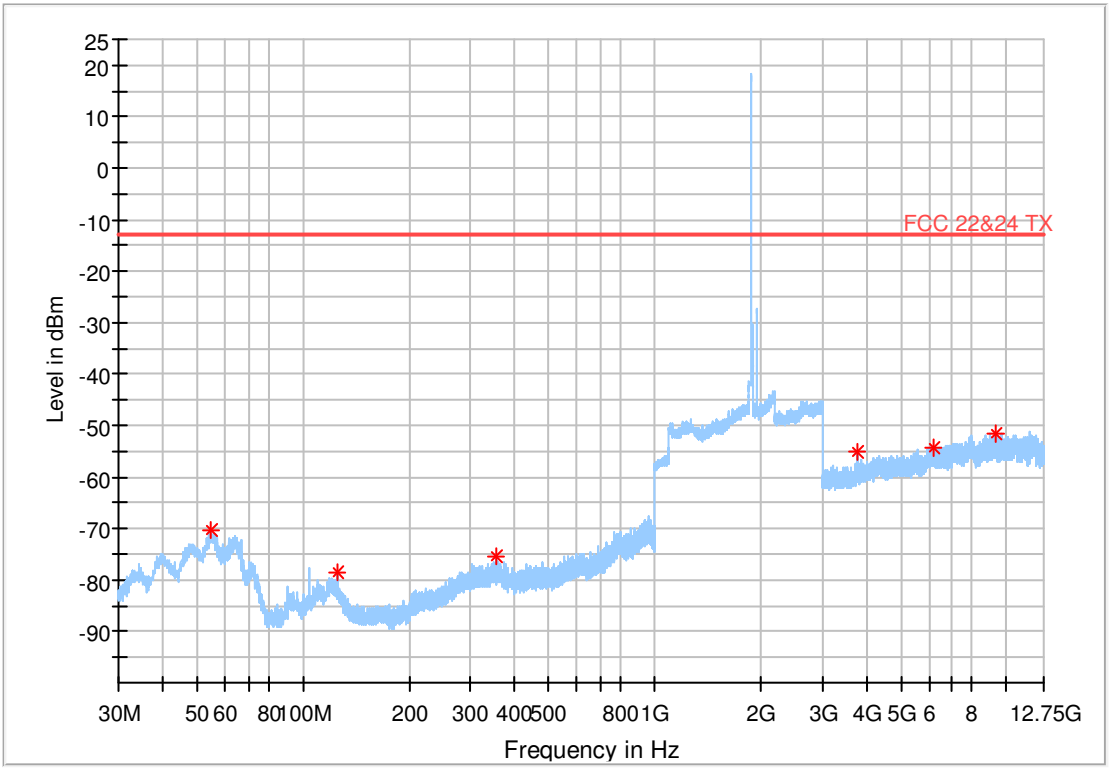
7.1.1.2. Test Channel = MCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
54.650000	-70.38	-13.00	57.38	---	---	200.0	V	151.0	-102.4
124.950000	-78.46	-13.00	65.46	---	---	200.0	V	59.0	-103.7
352.050000	-75.57	-13.00	62.57	---	---	200.0	V	49.0	-101.4
3756.925000	-54.89	-13.00	41.89	---	---	200.0	V	60.0	-104.2
6183.700000	-54.37	-13.00	41.37	---	---	200.0	V	60.0	-99.8
9257.875000	-51.69	-13.00	38.69	---	---	200.0	V	27.0	-96.7

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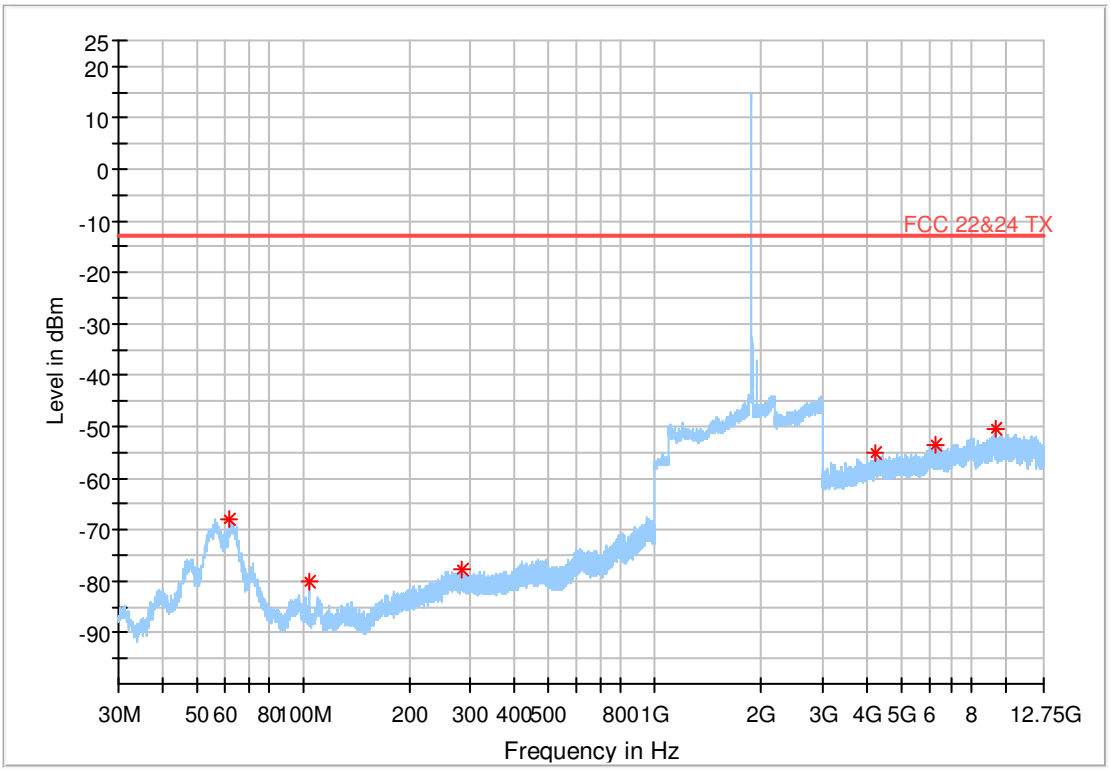
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
61.650000	-67.81	-13.00	54.81	---	---	200.0	H	0.0	-95.0
104.300000	-79.96	-13.00	66.96	---	---	200.0	H	104.0	-109.6
282.400000	-77.73	-13.00	64.73	---	---	200.0	H	12.0	-102.8
4251.900000	-55.14	-13.00	42.14	---	---	200.0	H	3.0	-102.7
6263.000000	-53.67	-13.00	40.67	---	---	200.0	H	118.0	-100.0
9256.575000	-50.53	-13.00	37.53	---	---	200.0	H	141.0	-96.6

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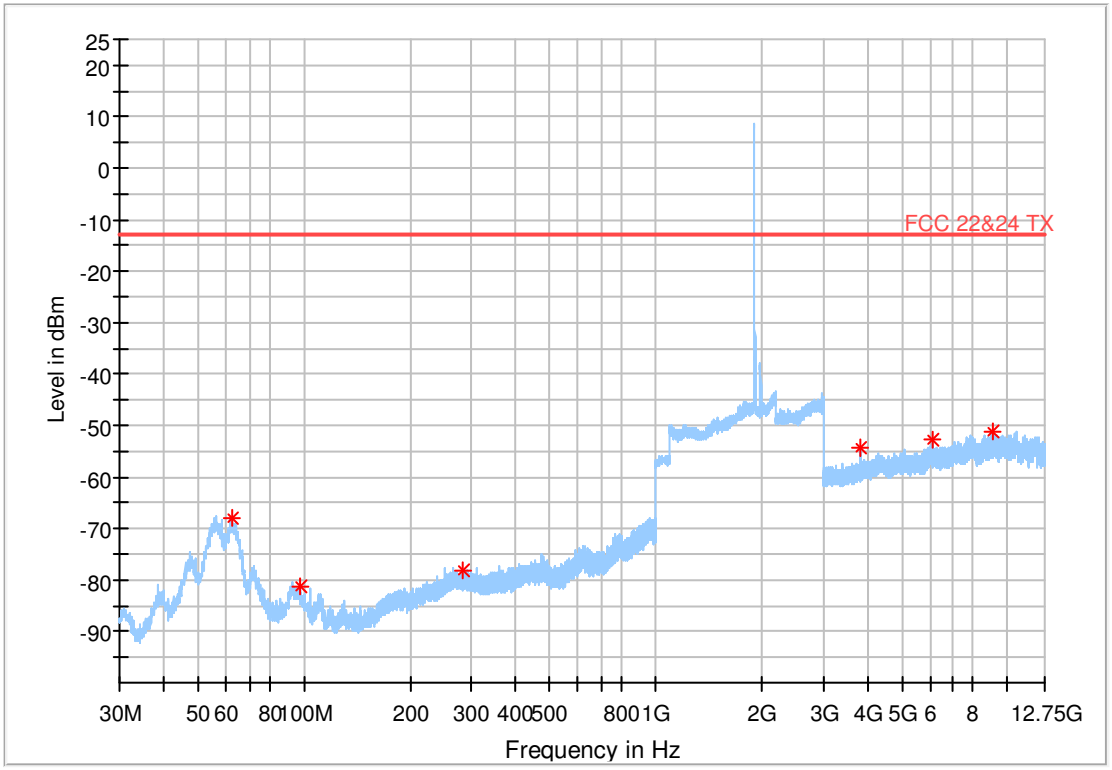
7.1.1.3. Test Channel = HCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.550000	-67.96	-13.00	54.96	---	---	200.0	H	87.0	-95.2
97.250000	-81.31	-13.00	68.31	---	---	200.0	H	150.0	-111.5
283.150000	-78.21	-13.00	65.21	---	---	200.0	H	141.0	-102.9
3817.375000	-54.21	-13.00	41.21	---	---	200.0	H	96.0	-104.0
6079.700000	-52.66	-13.00	39.66	---	---	200.0	H	17.0	-99.8
9079.775000	-51.26	-13.00	38.26	---	---	200.0	H	142.0	-96.7

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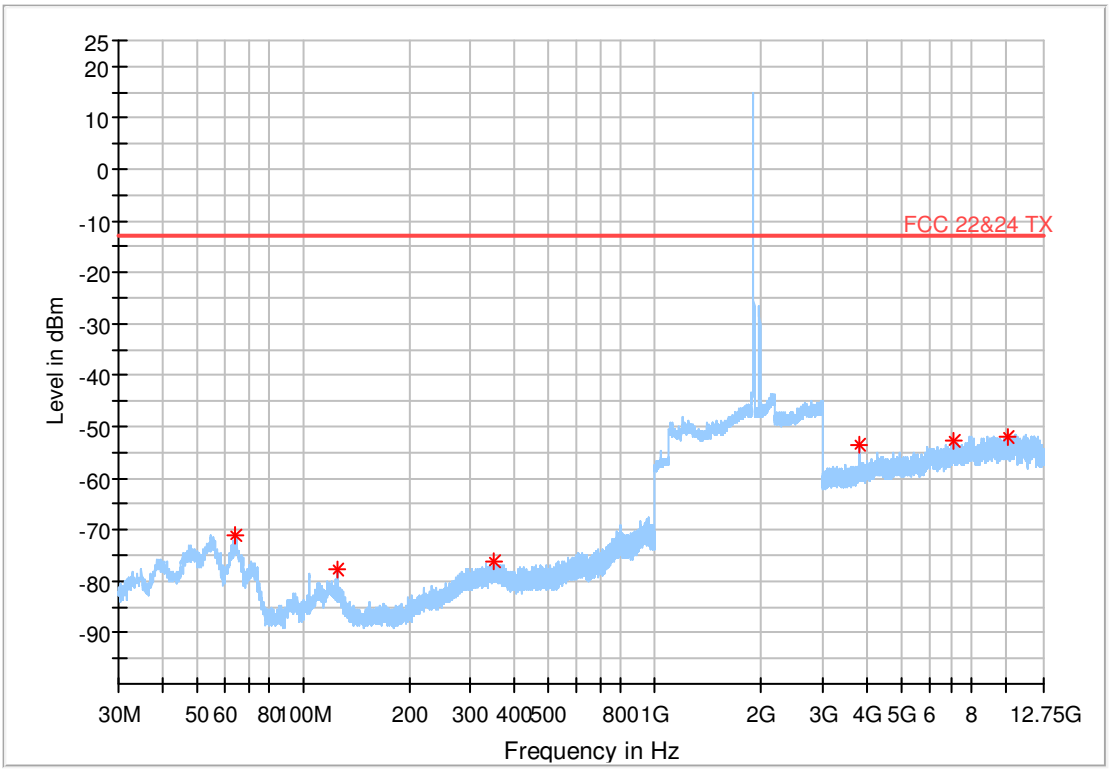
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.000000	-71.23	-13.00	58.23	---	---	200.0	V	78.0	-100.0
125.000000	-77.75	-13.00	64.75	---	---	200.0	V	169.0	-103.8
348.550000	-76.09	-13.00	63.09	---	---	200.0	V	123.0	-101.6
3816.725000	-53.66	-13.00	40.66	---	---	200.0	V	61.0	-103.9
7065.425000	-52.60	-13.00	39.60	---	---	200.0	V	142.0	-98.8
10065.175000	-51.96	-13.00	38.96	---	---	200.0	V	154.0	-96.8

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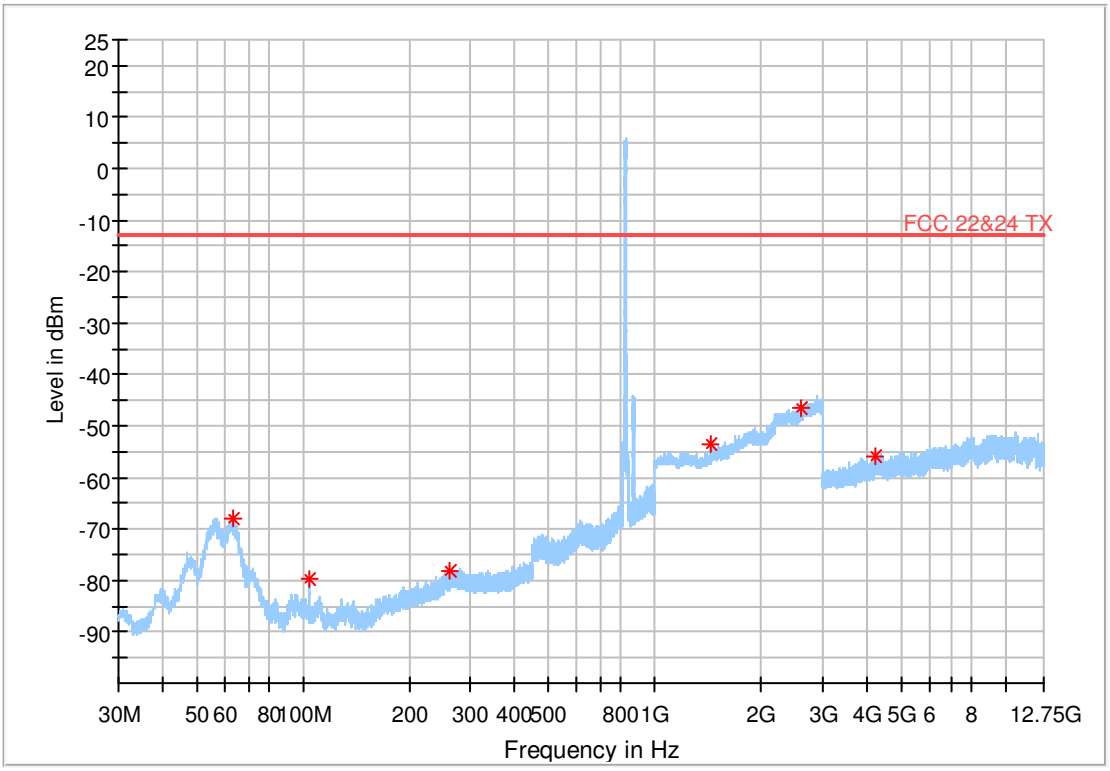
7.2. Test Band = WCDMA Band V(DOWN ANTENNA)

7.2.1.Test Mode =WCDMA/TM1

7.2.1.1. Test Channel = LCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.450000	-68.02	-13.00	55.02	---	---	200.0	H	94.0	-96.1
104.300000	-79.71	-13.00	66.71	---	---	200.0	H	140.0	-109.6
261.600000	-78.21	-13.00	65.21	---	---	200.0	H	180.0	-102.7
1451.000000	-53.65	-13.00	40.65	---	---	200.0	H	90.0	-88.3
2592.500000	-46.50	-13.00	33.50	---	---	200.0	H	19.0	-80.3
4207.375000	-55.72	-13.00	42.72	---	---	200.0	H	144.0	-102.9

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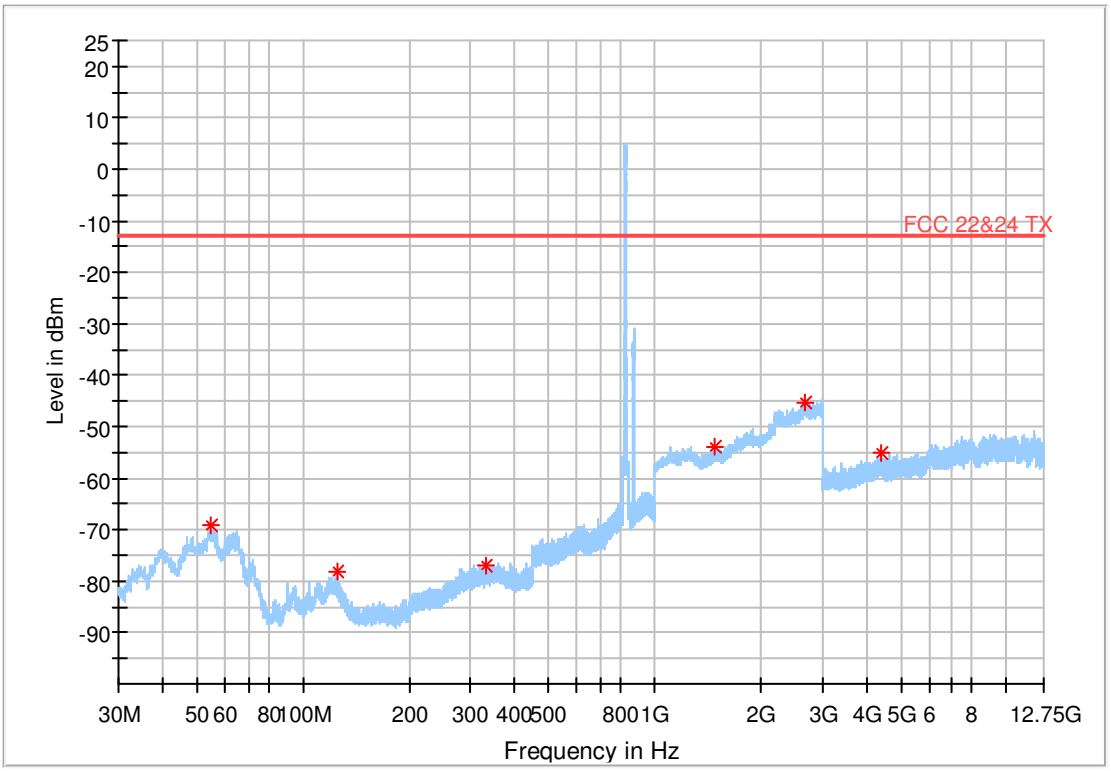
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
54.900000	-69.21	-13.00	56.21	---	---	200.0	V	164.0	-102.2
124.900000	-78.30	-13.00	65.30	---	---	200.0	V	164.0	-103.7
333.650000	-76.99	-13.00	63.99	---	---	200.0	V	26.0	-101.9
1483.000000	-53.87	-13.00	40.87	---	---	200.0	V	66.0	-88.5
2671.000000	-45.34	-13.00	32.34	---	---	200.0	V	114.0	-78.9
4383.850000	-55.15	-13.00	42.15	---	---	200.0	V	95.0	-102.7

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Inspection & Testing Services
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Shenzhen Branch Testing Center-EEC Laboratory.

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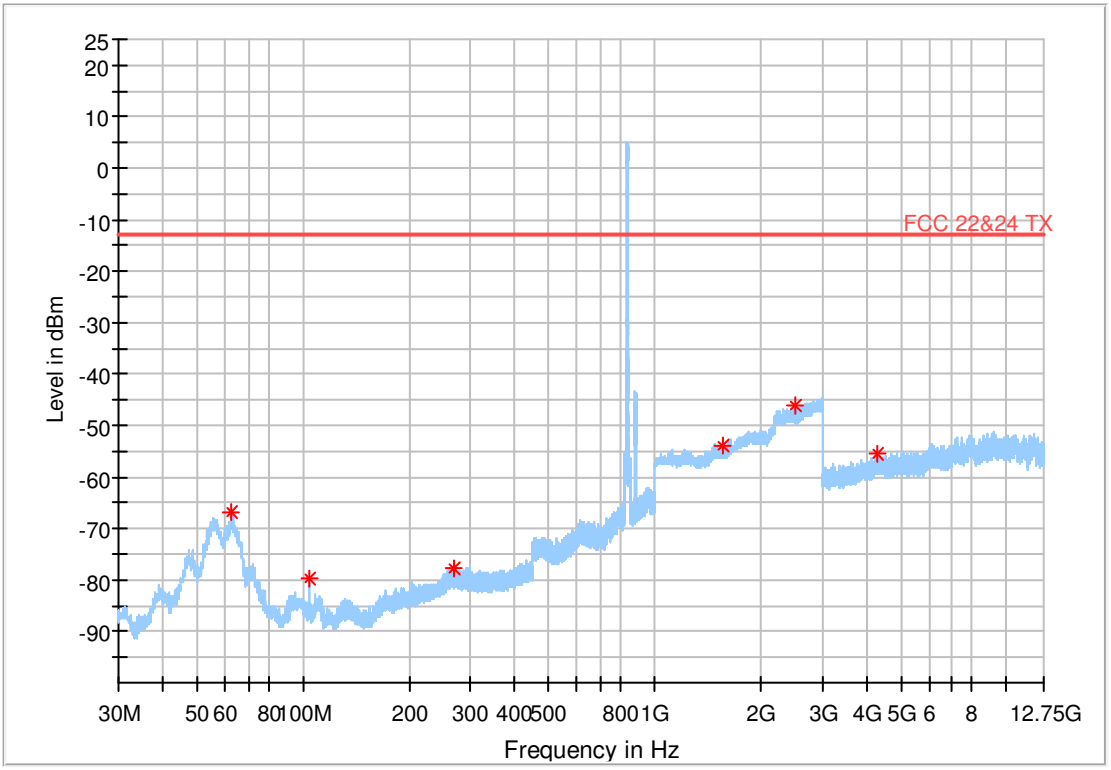
7.2.1.2. Test Channel = MCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.900000	-66.79	-13.00	53.79	---	---	200.0	H	0.0	-95.6
104.300000	-79.73	-13.00	66.73	---	---	200.0	H	180.0	-109.6
268.800000	-77.54	-13.00	64.54	---	---	200.0	H	0.0	-102.3
1561.000000	-53.78	-13.00	40.78	---	---	200.0	H	171.0	-88.1
2506.000000	-46.12	-13.00	33.12	---	---	200.0	H	0.0	-81.3
4278.225000	-55.46	-13.00	42.46	---	---	200.0	H	84.0	-102.5

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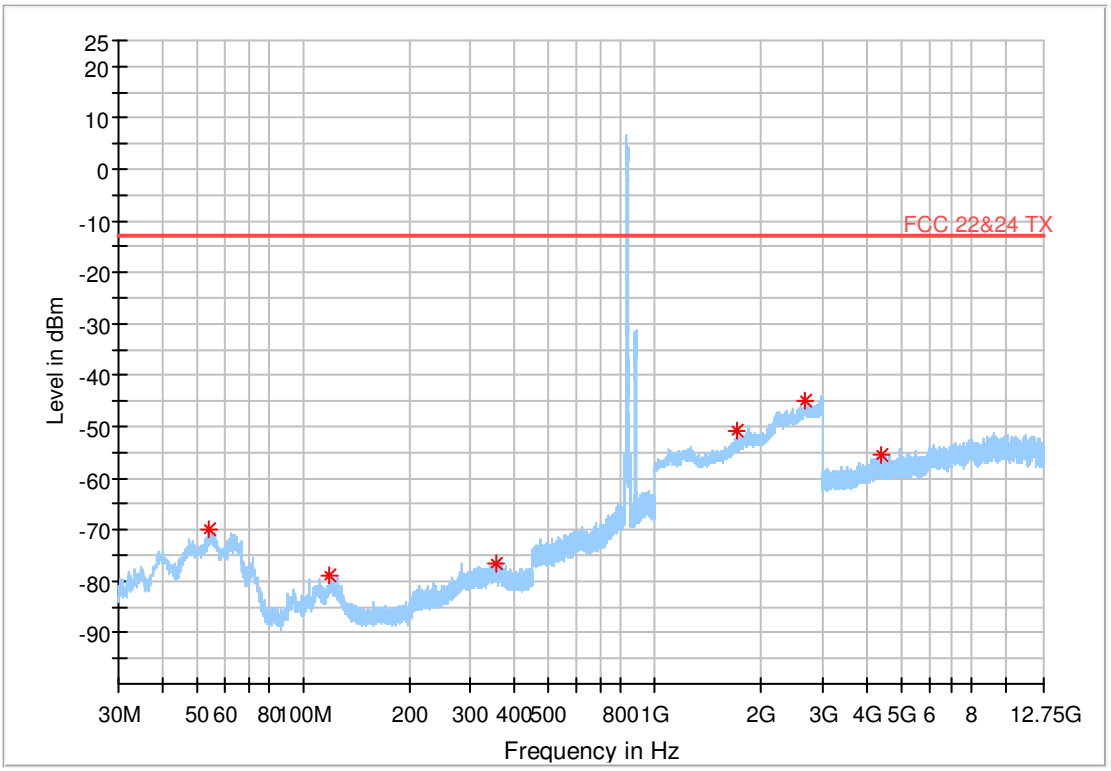
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
54.200000	-70.00	-13.00	57.00	---	---	200.0	V	162.0	-102.7
118.750000	-78.89	-13.00	65.89	---	---	200.0	V	139.0	-104.0
354.800000	-76.58	-13.00	63.58	---	---	200.0	V	94.0	-101.4
1714.000000	-50.71	-13.00	37.71	---	---	200.0	V	145.0	-86.7
2687.500000	-45.10	-13.00	32.10	---	---	200.0	V	72.0	-78.8
4385.475000	-55.64	-13.00	42.64	---	---	200.0	V	49.0	-102.7

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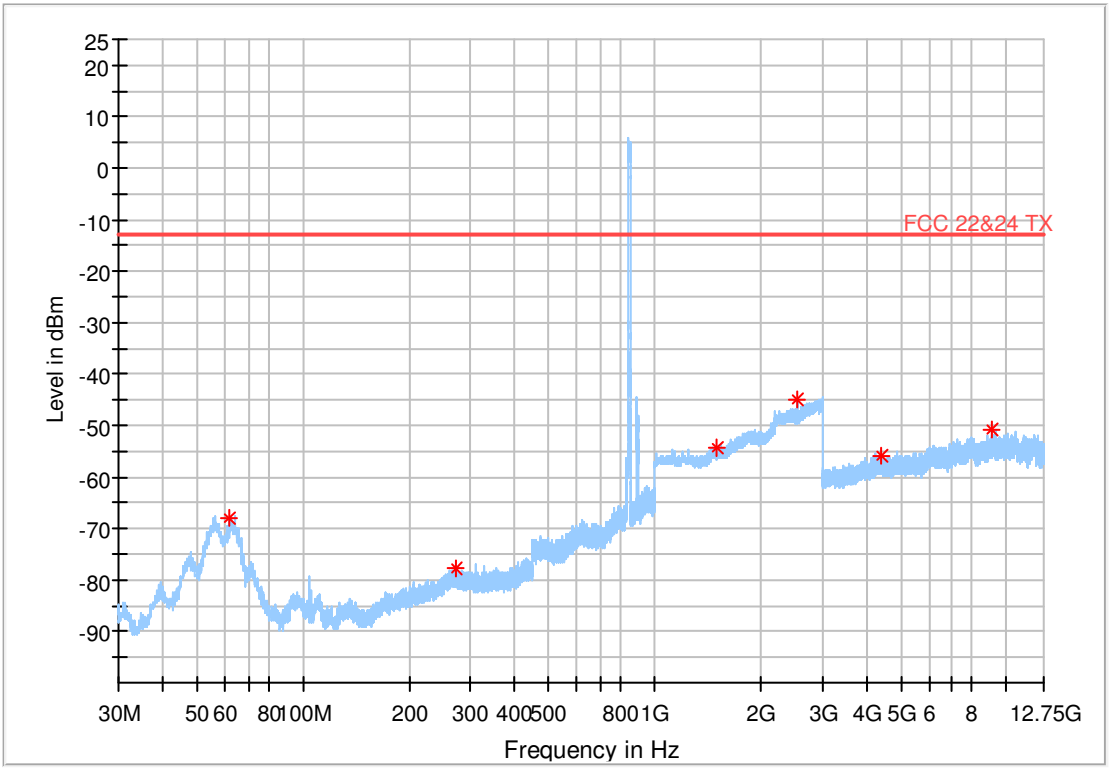
7.2.1.3. Test Channel = HCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
61.850000	-67.94	-13.00	54.94	---	---	200.0	H	70.0	-95.0
273.400000	-77.59	-13.00	64.59	---	---	200.0	H	47.0	-102.5
1492.000000	-54.36	-13.00	41.36	---	---	200.0	H	85.0	-87.8
2535.500000	-44.78	-13.00	31.78	---	---	200.0	H	0.0	-81.3
4378.650000	-55.79	-13.00	42.79	---	---	200.0	H	130.0	-102.5
9069.700000	-50.82	-13.00	37.82	---	---	200.0	H	119.0	-96.7

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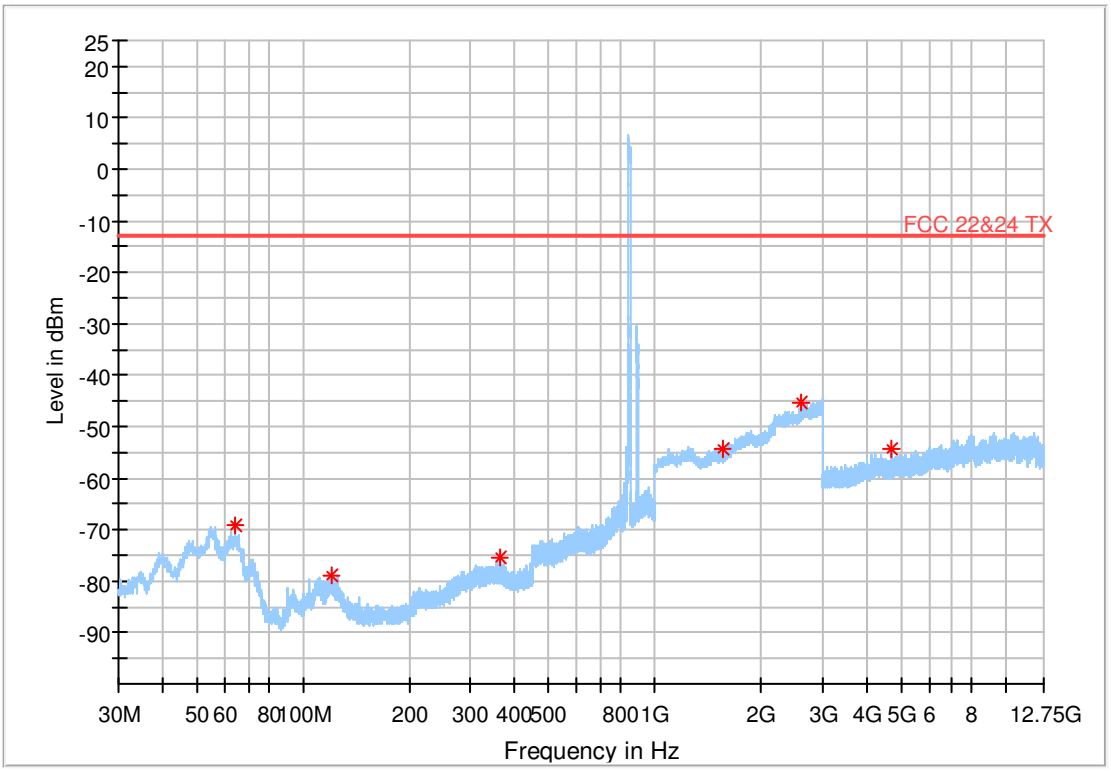
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.600000	-69.22	-13.00	56.22	---	---	200.0	V	140.0	-99.9
120.250000	-78.91	-13.00	65.91	---	---	200.0	V	47.0	-103.7
364.800000	-75.40	-13.00	62.40	---	---	200.0	V	163.0	-101.6
1561.000000	-54.35	-13.00	41.35	---	---	200.0	V	145.0	-88.5
2615.000000	-45.36	-13.00	32.36	---	---	200.0	V	45.0	-79.8
4684.800000	-54.39	-13.00	41.39	---	---	200.0	V	16.0	-102.5

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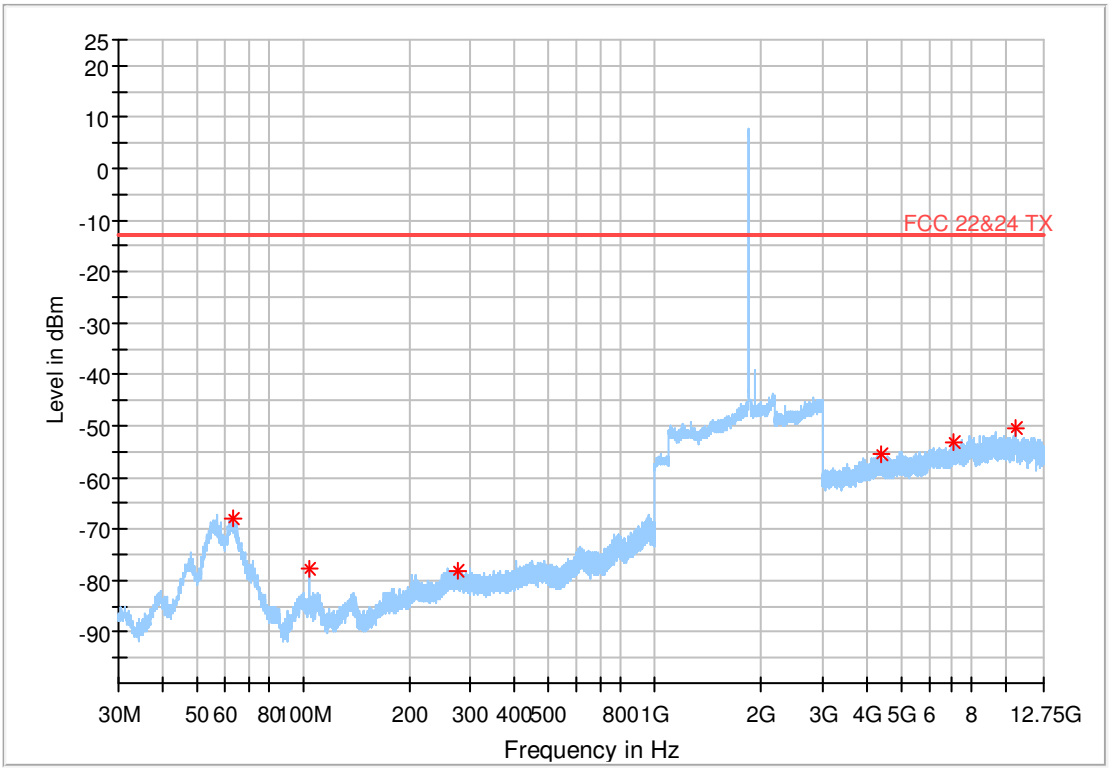
7.3. Test Band = WCDMA Band II(UP ANTENNA)

7.3.1.Test Mode =WCDMA/TM1

7.3.1.1. Test Channel = LCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.300000	-67.85	-13.00	54.85	---	---	200.0	H	68.0	-96.0
104.350000	-77.68	-13.00	64.68	---	---	200.0	H	159.0	-109.5
274.450000	-78.19	-13.00	65.19	---	---	200.0	H	132.0	-102.5
4408.875000	-55.64	-13.00	42.64	---	---	200.0	H	48.0	-102.5
7027.075000	-53.29	-13.00	40.29	---	---	200.0	H	48.0	-99.0
10636.200000	-50.29	-13.00	37.29	---	---	200.0	H	0.0	-96.4

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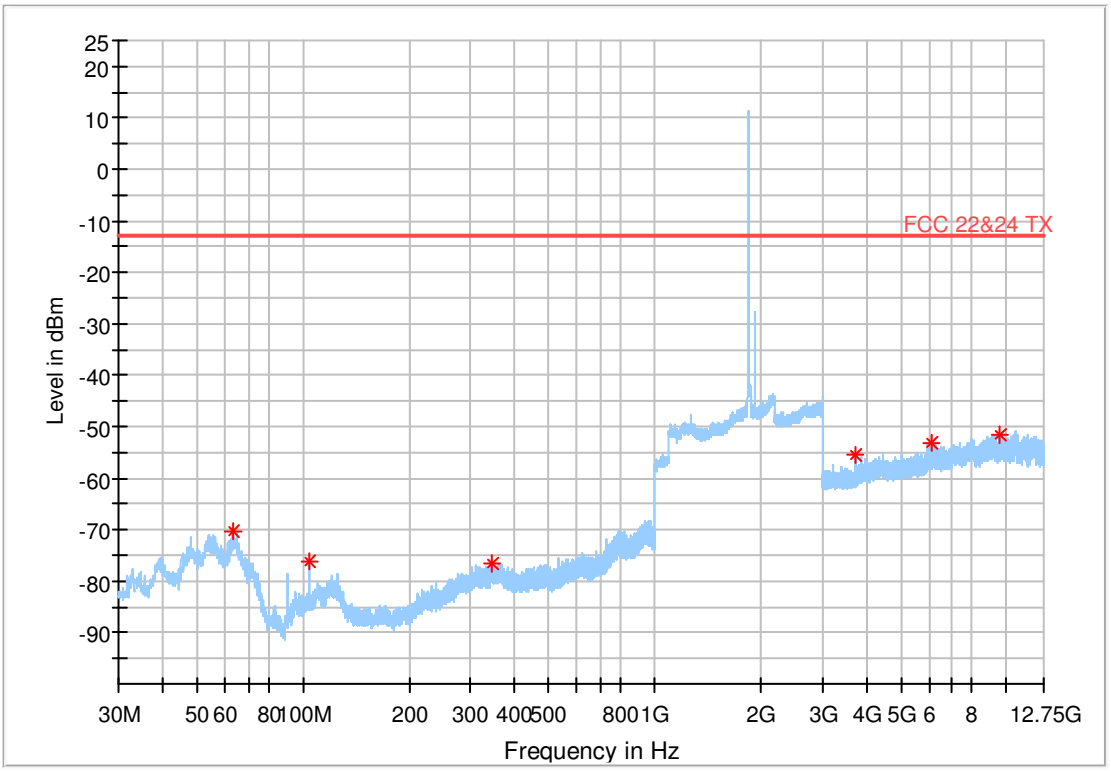
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.000000	-70.40	-13.00	57.40	---	---	200.0	V	135.0	-100.3
104.250000	-76.31	-13.00	63.31	---	---	200.0	V	1.0	-106.8
343.000000	-76.41	-13.00	63.41	---	---	200.0	V	31.0	-101.7
3705.900000	-55.50	-13.00	42.50	---	---	200.0	V	84.0	-104.4
6103.750000	-53.28	-13.00	40.28	---	---	200.0	V	0.0	-99.8
9520.150000	-51.74	-13.00	38.74	---	---	200.0	V	178.0	-96.9

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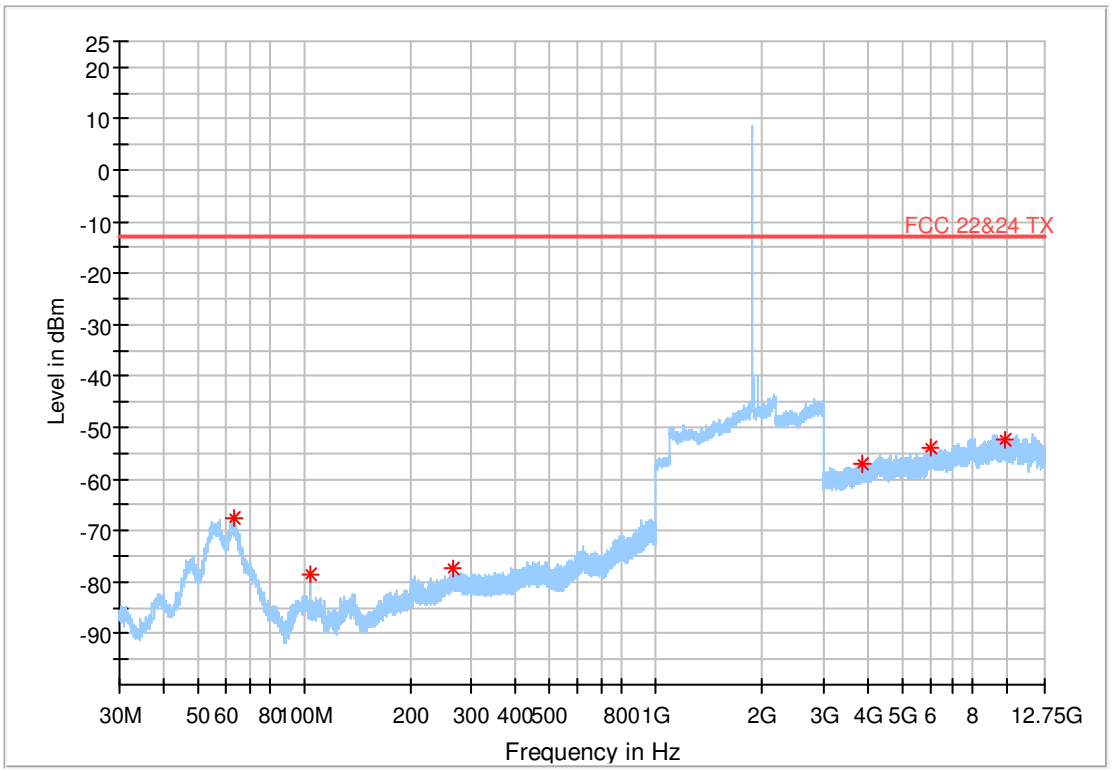
7.3.1.2. Test Channel = MCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.550000	-67.41	-13.00	54.41	---	---	200.0	H	122.0	-96.2
104.300000	-78.43	-13.00	65.43	---	---	200.0	H	180.0	-109.6
266.600000	-77.53	-13.00	64.53	---	---	200.0	H	113.0	-102.4
3858.325000	-56.87	-13.00	43.87	---	---	200.0	H	50.0	-103.8
6057.275000	-53.84	-13.00	40.84	---	---	200.0	H	0.0	-99.7
9742.450000	-52.17	-13.00	39.17	---	---	200.0	H	28.0	-96.9

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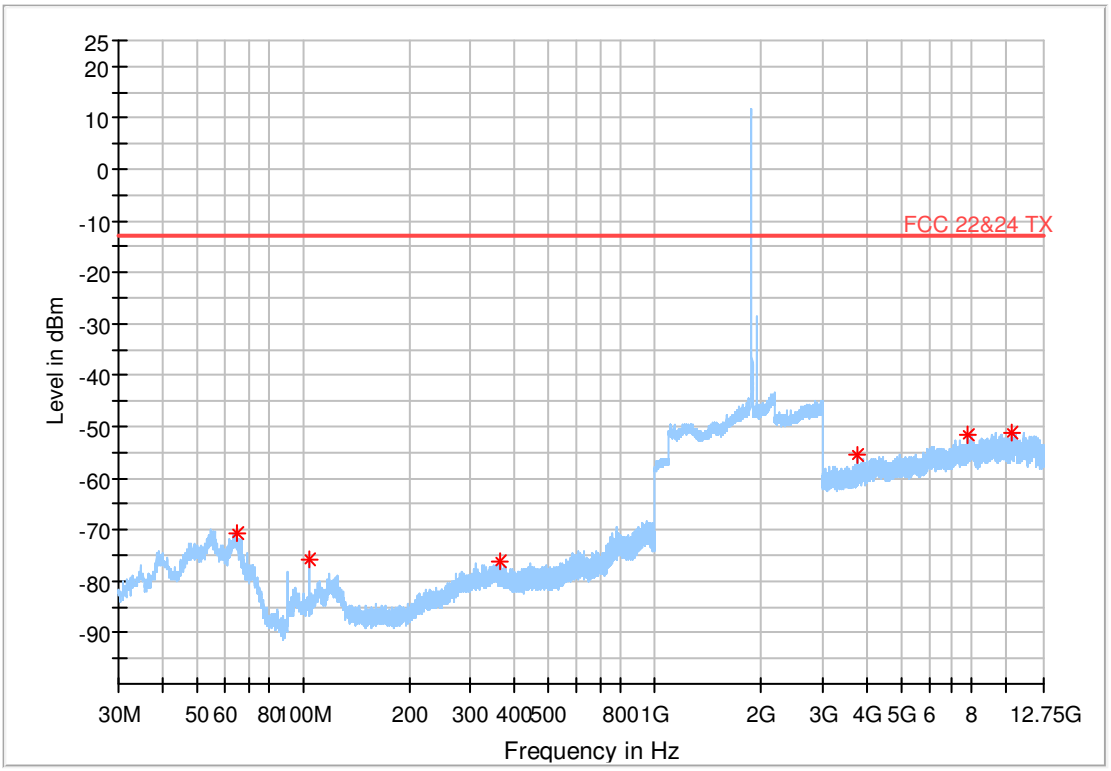
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
65.200000	-70.80	-13.00	57.80	---	---	200.0	V	167.0	-99.7
104.300000	-75.63	-13.00	62.63	---	---	200.0	V	48.0	-106.8
362.050000	-76.20	-13.00	63.20	---	---	200.0	V	148.0	-101.4
3761.475000	-55.44	-13.00	42.44	---	---	200.0	V	51.0	-104.1
7697.550000	-51.70	-13.00	38.70	---	---	200.0	V	108.0	-98.2
10282.925000	-51.27	-13.00	38.27	---	---	200.0	V	17.0	-96.4

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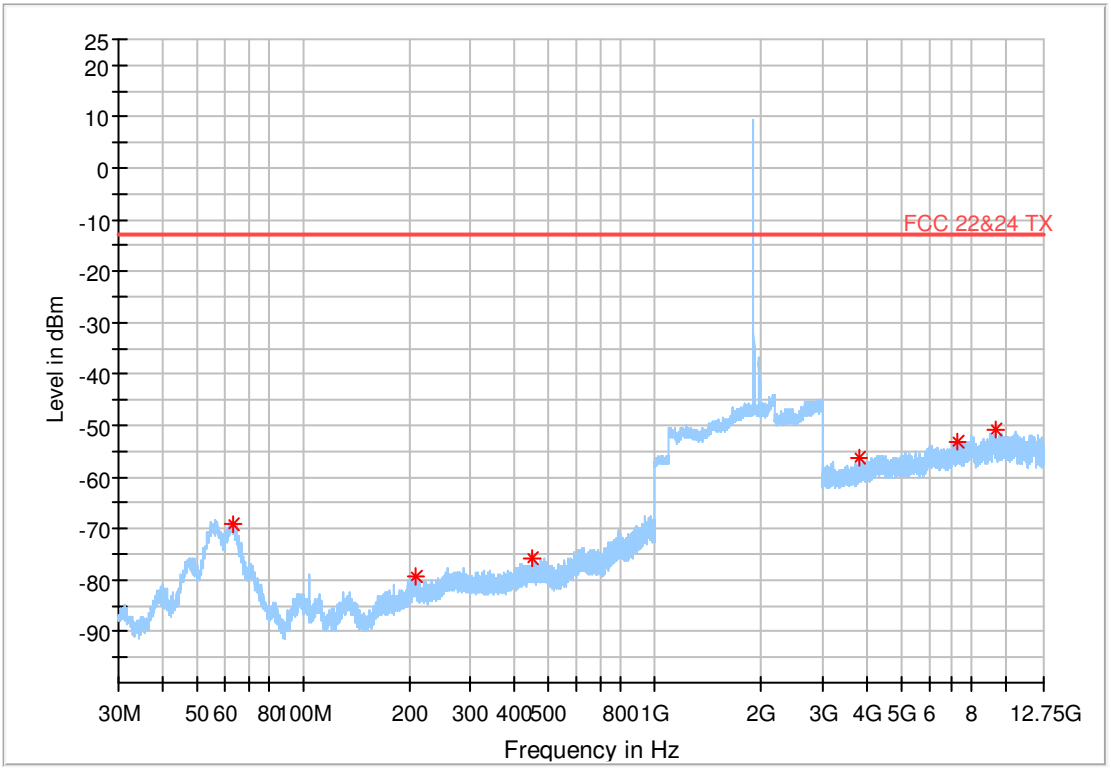
7.3.1.3. Test Channel = HCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-69.01	-13.00	56.01	---	---	200.0	H	159.0	-95.9
208.400000	-79.15	-13.00	66.15	---	---	200.0	H	0.0	-106.0
446.900000	-75.72	-13.00	62.72	---	---	200.0	H	178.0	-100.6
3816.400000	-56.33	-13.00	43.33	---	---	200.0	H	0.0	-104.0
7273.425000	-53.32	-13.00	40.32	---	---	200.0	H	178.0	-99.5
9281.600000	-50.88	-13.00	37.88	---	---	200.0	H	61.0	-96.6

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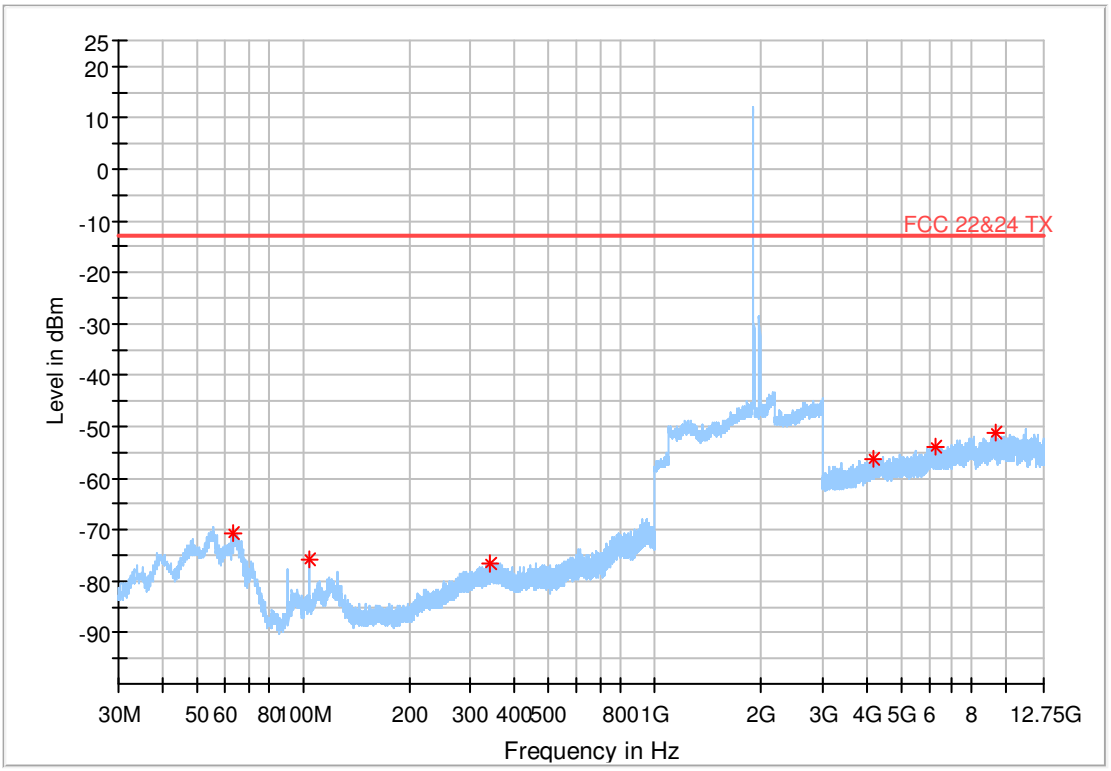
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.600000	-70.86	-13.00	57.86	---	---	200.0	V	170.0	-100.1
104.300000	-75.76	-13.00	62.76	---	---	200.0	V	39.0	-106.8
338.450000	-76.62	-13.00	63.62	---	---	200.0	V	21.0	-101.8
4202.500000	-56.19	-13.00	43.19	---	---	200.0	V	0.0	-102.9
6288.675000	-53.93	-13.00	40.93	---	---	200.0	V	60.0	-99.8
9252.675000	-51.33	-13.00	38.33	---	---	200.0	V	71.0	-96.7

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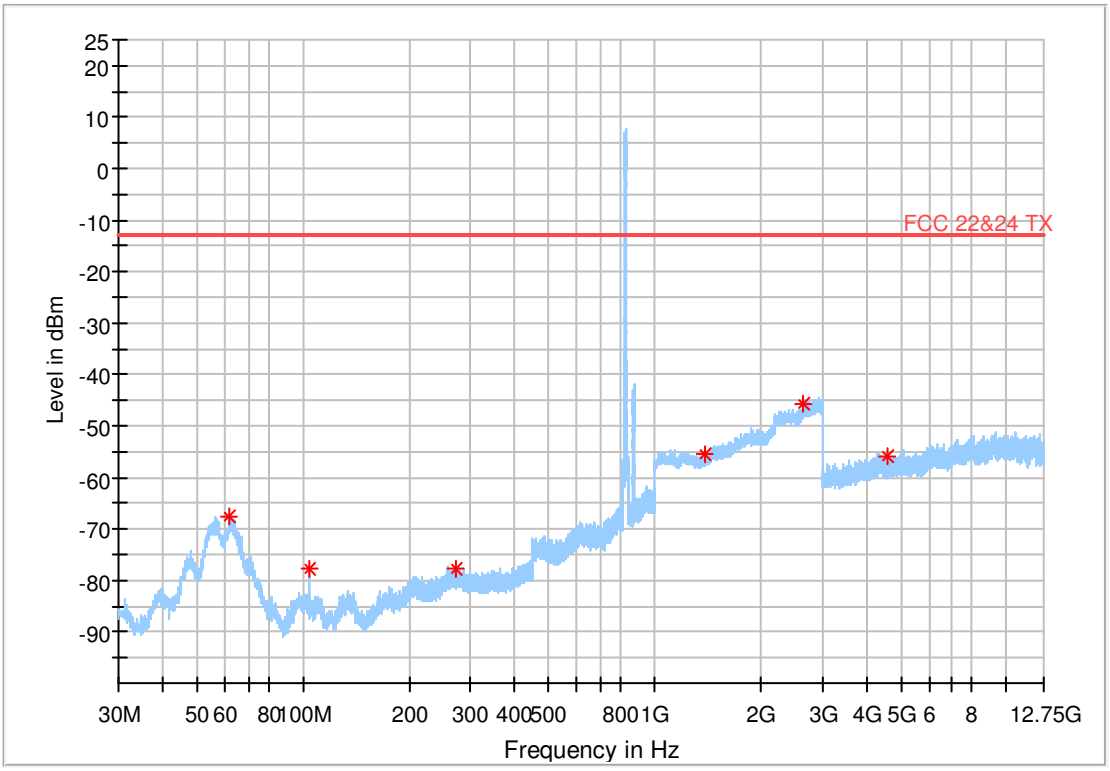
7.4. Test Band = WCDMA Band V(UP ANTENNA)

7.4.1.Test Mode =WCDMA/TM1

7.4.1.1. Test Channel = LCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
61.900000	-67.39	-13.00	54.39	---	---	200.0	H	95.0	-95.0
104.300000	-77.81	-13.00	64.81	---	---	200.0	H	180.0	-109.6
272.700000	-77.77	-13.00	64.77	---	---	200.0	H	163.0	-102.4
1392.500000	-55.65	-13.00	42.65	---	---	200.0	H	10.0	-89.5
2626.000000	-45.89	-13.00	32.89	---	---	200.0	H	149.0	-80.3
4578.525000	-56.04	-13.00	43.04	---	---	200.0	H	155.0	-102.6

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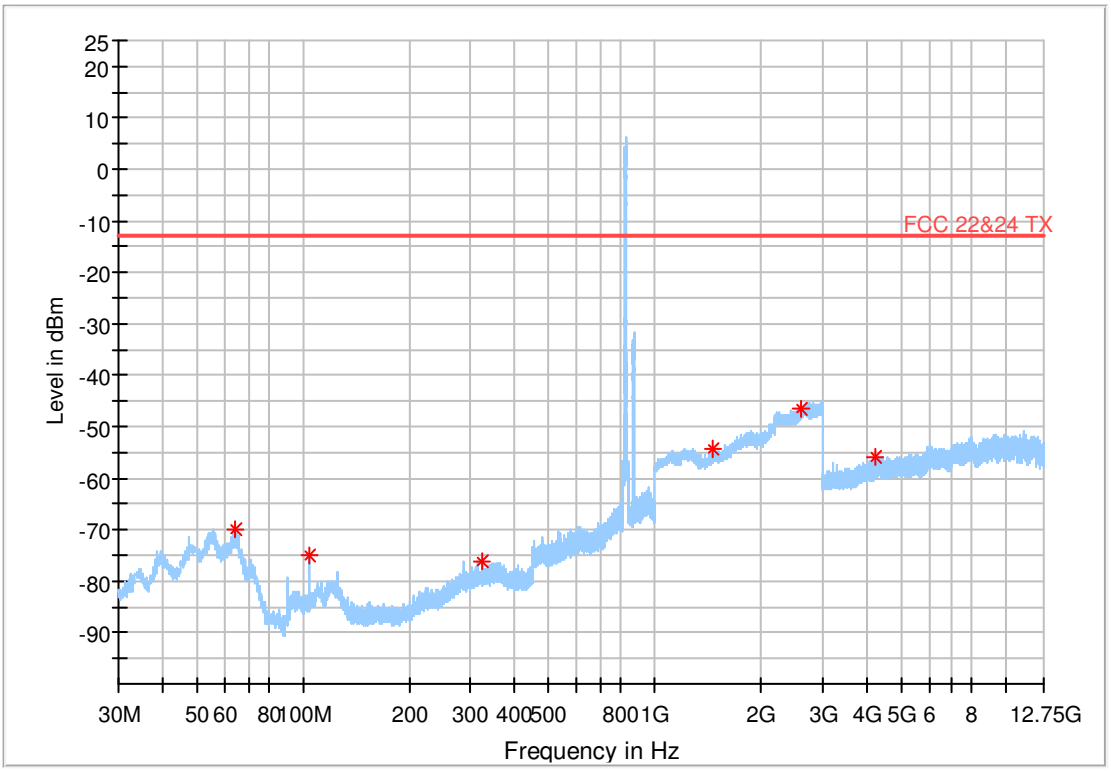
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.100000	-69.87	-13.00	56.87	---	---	200.0	V	164.0	-100.0
104.300000	-75.17	-13.00	62.17	---	---	200.0	V	0.0	-106.8
321.950000	-76.35	-13.00	63.35	---	---	200.0	V	0.0	-102.0
1456.000000	-54.49	-13.00	41.49	---	---	200.0	V	1.0	-88.5
2592.000000	-46.45	-13.00	33.45	---	---	200.0	V	168.0	-79.9
4256.125000	-56.02	-13.00	43.02	---	---	200.0	V	141.0	-102.7

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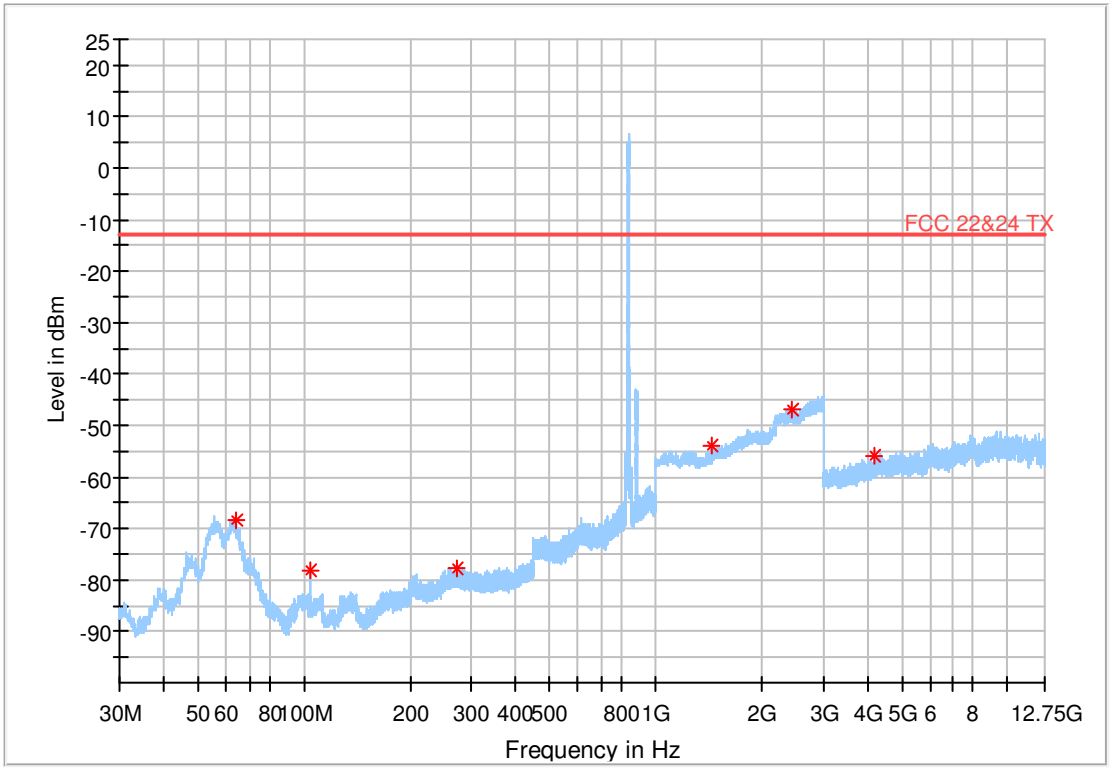
7.4.1.2. Test Channel = MCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.300000	-68.38	-13.00	55.38	---	---	200.0	H	1.0	-97.0
104.300000	-77.97	-13.00	64.97	---	---	200.0	H	0.0	-109.6
272.650000	-77.71	-13.00	64.71	---	---	200.0	H	24.0	-102.4
1446.000000	-53.97	-13.00	40.97	---	---	200.0	H	82.0	-88.5
2436.000000	-47.05	-13.00	34.05	---	---	200.0	H	172.0	-80.9
4174.550000	-55.85	-13.00	42.85	---	---	200.0	H	50.0	-103.1

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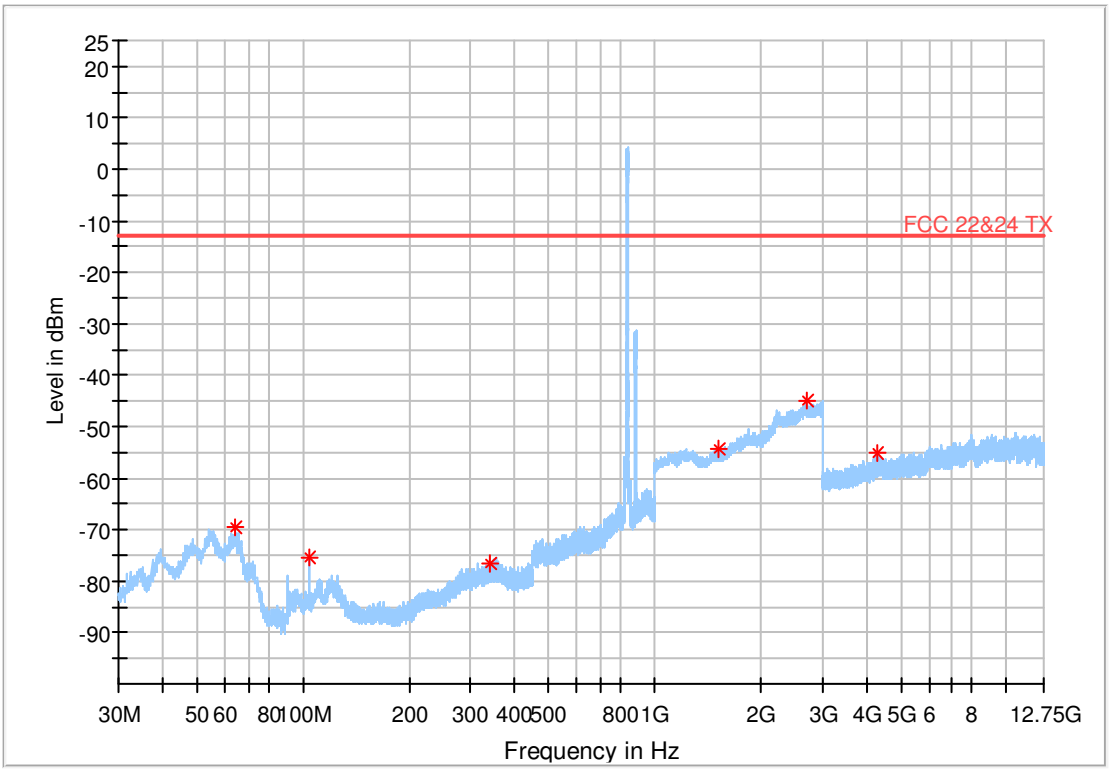
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.400000	-69.57	-13.00	56.57	---	---	200.0	V	180.0	-99.9
104.350000	-75.50	-13.00	62.50	---	---	200.0	V	164.0	-106.7
341.150000	-76.54	-13.00	63.54	---	---	200.0	V	96.0	-101.8
1520.500000	-54.26	-13.00	41.26	---	---	200.0	V	86.0	-88.5
2720.000000	-45.05	-13.00	32.05	---	---	200.0	V	45.0	-79.2
4296.425000	-55.10	-13.00	42.10	---	---	200.0	V	71.0	-102.5

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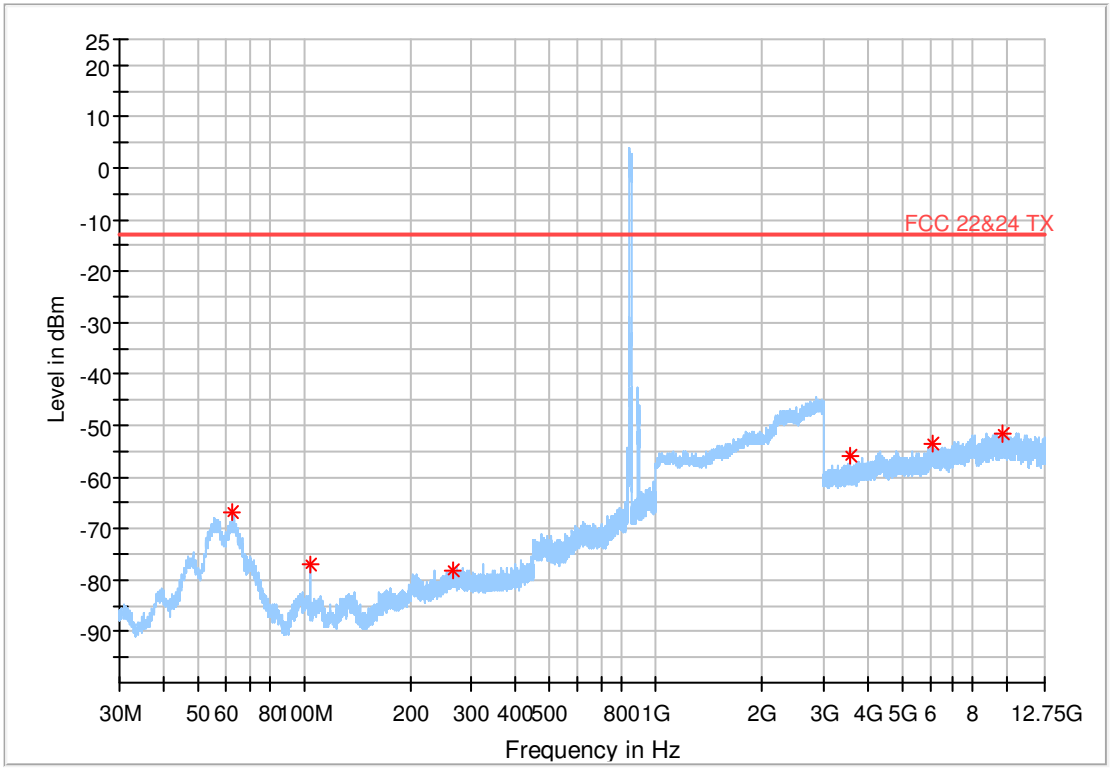
7.4.1.3. Test Channel = HCH

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.550000	-66.69	-13.00	53.69	---	---	200.0	H	180.0	-95.2
104.300000	-77.05	-13.00	64.05	---	---	200.0	H	163.0	-109.6
266.400000	-78.22	-13.00	65.22	---	---	200.0	H	163.0	-102.4
3556.400000	-55.90	-13.00	42.90	---	---	200.0	H	0.0	-104.7
6119.675000	-53.68	-13.00	40.68	---	---	200.0	H	130.0	-99.9
9741.150000	-51.53	-13.00	38.53	---	---	200.0	H	37.0	-96.9

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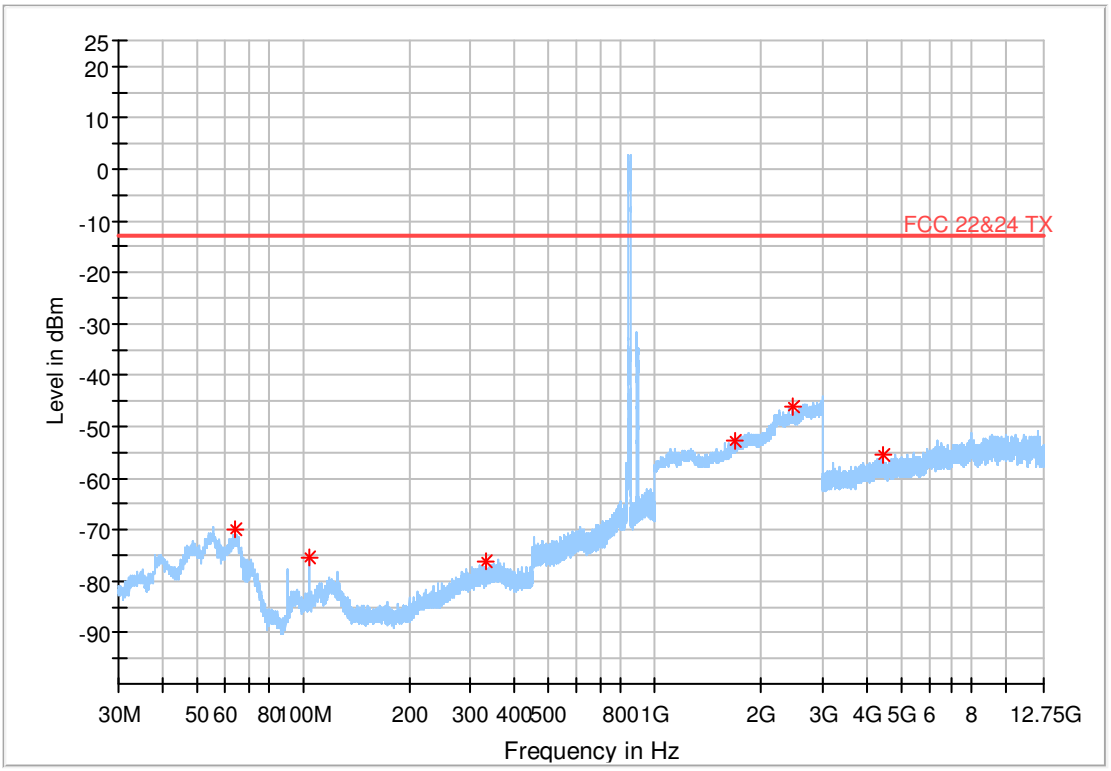
Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.500000	-69.99	-13.00	56.99	---	---	200.0	V	163.0	-99.9
104.300000	-75.58	-13.00	62.58	---	---	200.0	V	0.0	-106.8
329.750000	-76.06	-13.00	63.06	---	---	200.0	V	180.0	-102.0
1680.500000	-52.76	-13.00	39.76	---	---	200.0	V	0.0	-87.1
2462.500000	-45.99	-13.00	32.99	---	---	200.0	V	0.0	-80.8
4436.825000	-55.47	-13.00	42.47	---	---	200.0	V	39.0	-102.6

Remark:

1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

2 The disturbance above 12.75G and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

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8. Frequency Stability

8.1. Frequency Vs Voltage

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	-15.44	-0.008335	±2.5	PASS
Band2	9262	VN	NT	-16.02	-0.008648	±2.5	PASS
Band2	9262	VH	NT	-14.81	-0.007995	±2.5	PASS
Band2	9400	VL	NT	-7.44	-0.003957	±2.5	PASS
Band2	9400	VN	NT	-10.02	-0.005330	±2.5	PASS
Band2	9400	VH	NT	-8.80	-0.004681	±2.5	PASS
Band2	9538	VL	NT	-12.64	-0.006626	±2.5	PASS
Band2	9538	VN	NT	-12.34	-0.006469	±2.5	PASS
Band2	9538	VH	NT	-12.45	-0.006527	±2.5	PASS
Band5	4132	VL	NT	-11.77	-0.014242	±2.5	PASS
Band5	4132	VN	NT	-12.79	-0.015477	±2.5	PASS
Band5	4132	VH	NT	-10.88	-0.013166	±2.5	PASS
Band5	4182	VL	NT	-5.81	-0.006946	±2.5	PASS
Band5	4182	VN	NT	-4.84	-0.005787	±2.5	PASS
Band5	4182	VH	NT	-8.08	-0.009660	±2.5	PASS
Band5	4233	VL	NT	-9.02	-0.010654	±2.5	PASS
Band5	4233	VN	NT	-8.73	-0.010312	±2.5	PASS
Band5	4233	VH	NT	-9.71	-0.011469	±2.5	PASS

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8.2. Frequency Vs Temperature

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	-13.93	-0.007520	±2.5	PASS
Band2	9262	NV	-20	-12.95	-0.006991	±2.5	PASS
Band2	9262	NV	-10	-13.48	-0.007277	±2.5	PASS
Band2	9262	NV	0	-11.99	-0.006473	±2.5	PASS
Band2	9262	NV	10	-11.06	-0.005971	±2.5	PASS
Band2	9262	NV	20	-11.87	-0.006408	±2.5	PASS
Band2	9262	NV	30	-12.00	-0.006478	±2.5	PASS
Band2	9262	NV	40	-12.20	-0.006586	±2.5	PASS
Band2	9262	NV	50	-11.94	-0.006446	±2.5	PASS
Band2	9400	NV	-30	-10.97	-0.005835	±2.5	PASS
Band2	9400	NV	-20	-11.87	-0.006314	±2.5	PASS
Band2	9400	NV	-10	-10.56	-0.005617	±2.5	PASS
Band2	9400	NV	0	-9.94	-0.005287	±2.5	PASS
Band2	9400	NV	10	-11.77	-0.006261	±2.5	PASS
Band2	9400	NV	20	-12.61	-0.006707	±2.5	PASS
Band2	9400	NV	30	-8.90	-0.004734	±2.5	PASS
Band2	9400	NV	40	-8.61	-0.004580	±2.5	PASS
Band2	9400	NV	50	-10.21	-0.005431	±2.5	PASS
Band2	9538	NV	-30	-12.77	-0.006694	±2.5	PASS
Band2	9538	NV	-20	-11.41	-0.005981	±2.5	PASS
Band2	9538	NV	-10	-11.50	-0.006029	±2.5	PASS
Band2	9538	NV	0	-8.47	-0.004440	±2.5	PASS
Band2	9538	NV	10	-12.02	-0.006301	±2.5	PASS
Band2	9538	NV	20	-11.99	-0.006285	±2.5	PASS
Band2	9538	NV	30	-10.65	-0.005583	±2.5	PASS
Band2	9538	NV	40	-7.93	-0.004157	±2.5	PASS
Band2	9538	NV	50	-8.30	-0.004351	±2.5	PASS
Band5	4132	NV	-30	-10.91	-0.013202	±2.5	PASS
Band5	4132	NV	-20	-10.36	-0.012536	±2.5	PASS
Band5	4132	NV	-10	-10.12	-0.012246	±2.5	PASS
Band5	4132	NV	0	-11.07	-0.013395	±2.5	PASS
Band5	4132	NV	10	-10.49	-0.012694	±2.5	PASS
Band5	4132	NV	20	-9.63	-0.011653	±2.5	PASS

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Band5	4132	NV	30	-10.46	-0.012657	±2.5	PASS
Band5	4132	NV	40	-11.12	-0.013456	±2.5	PASS
Band5	4132	NV	50	-8.81	-0.010661	±2.5	PASS
Band5	4182	NV	-30	-8.63	-0.010318	±2.5	PASS
Band5	4182	NV	-20	-7.10	-0.008489	±2.5	PASS
Band5	4182	NV	-10	-6.47	-0.007736	±2.5	PASS
Band5	4182	NV	0	-7.77	-0.009290	±2.5	PASS
Band5	4182	NV	10	-5.94	-0.007102	±2.5	PASS
Band5	4182	NV	20	-5.39	-0.006444	±2.5	PASS
Band5	4182	NV	30	-9.28	-0.011095	±2.5	PASS
Band5	4182	NV	40	-9.68	-0.011573	±2.5	PASS
Band5	4182	NV	50	-7.44	-0.008895	±2.5	PASS
Band5	4233	NV	-30	-8.96	-0.010584	±2.5	PASS
Band5	4233	NV	-20	-7.93	-0.009367	±2.5	PASS
Band5	4233	NV	-10	-10.28	-0.012143	±2.5	PASS
Band5	4233	NV	0	-7.77	-0.009178	±2.5	PASS
Band5	4233	NV	10	-6.28	-0.007418	±2.5	PASS
Band5	4233	NV	20	-9.32	-0.011009	±2.5	PASS
Band5	4233	NV	30	-9.88	-0.011670	±2.5	PASS
Band5	4233	NV	40	-6.95	-0.008209	±2.5	PASS
Band5	4233	NV	50	-7.22	-0.008528	±2.5	PASS

The End

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