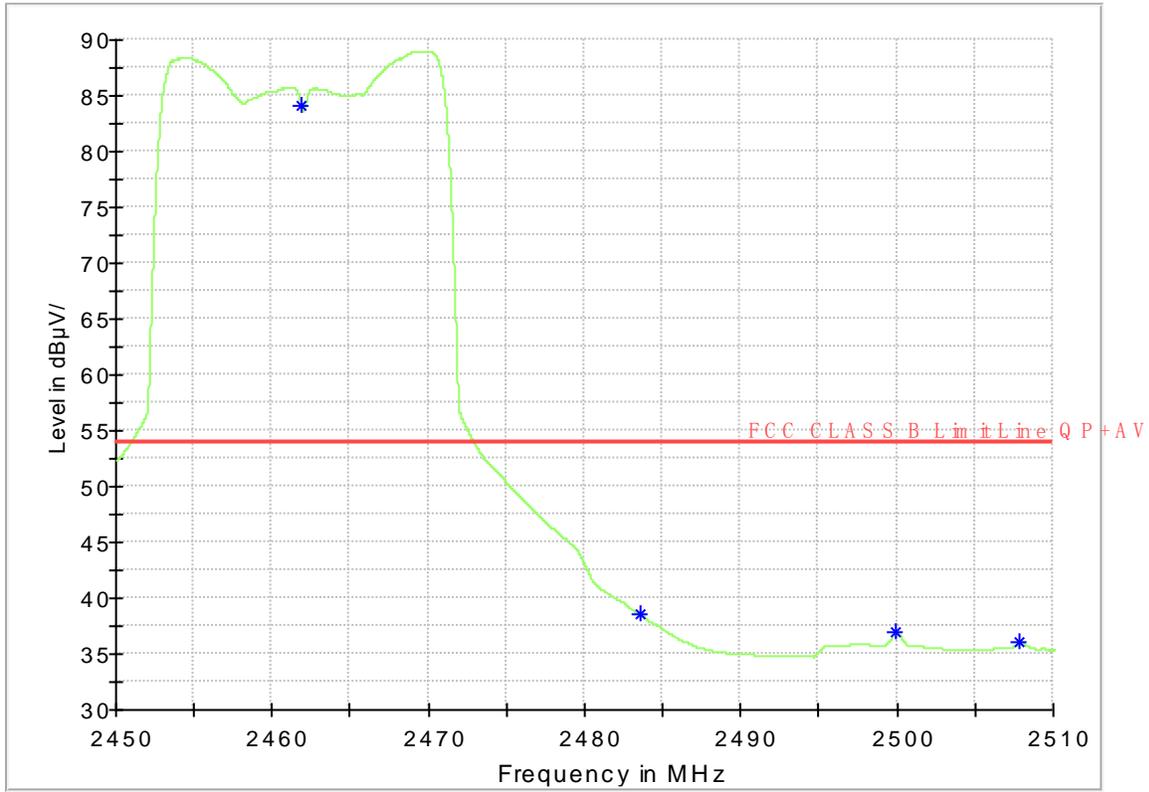


Full Spectrum



Final Result

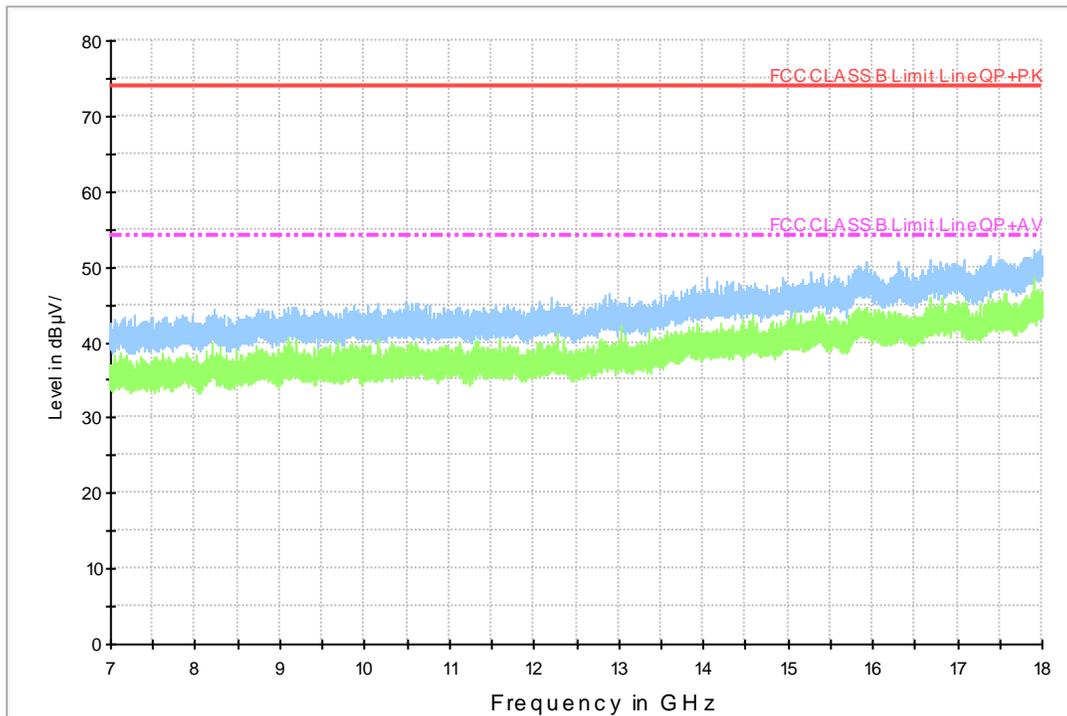
Frequency (MHz)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2461.904000	84.06	---	---	1000.000	100.0	V	184.0	-0.9
2483.516000	38.56	54.00	15.44	1000.000	100.0	V	162.0	-1.0
2499.908000	36.88	54.00	17.12	1000.000	100.0	V	139.0	-1.0
2507.876000	36.00	54.00	18	1000.000	100.0	V	139.0	-1.0

TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Horizontal (N mode-20MHz-13Channel) -7GHZ~18GHZ

FCC CLASS B HF7.0_7G-18G_HOR

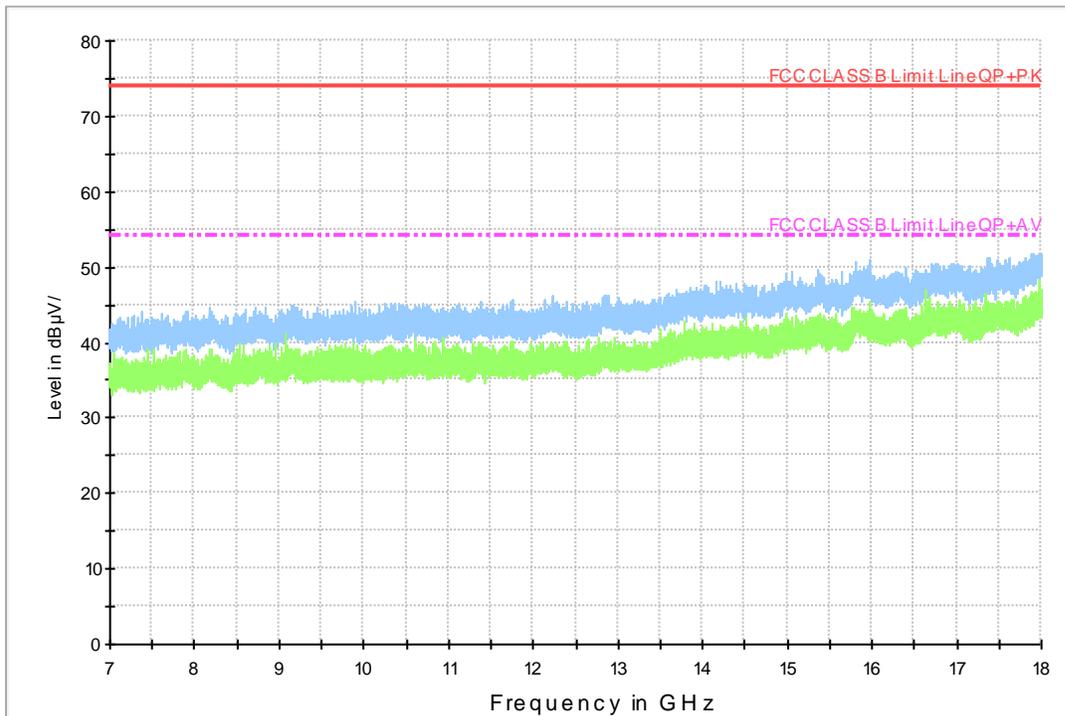


TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Vertical (N mode-20MHz-13Channel) -7GHZ~18GHZ

FCC CLASS B HF7.0_7G-18G_VER

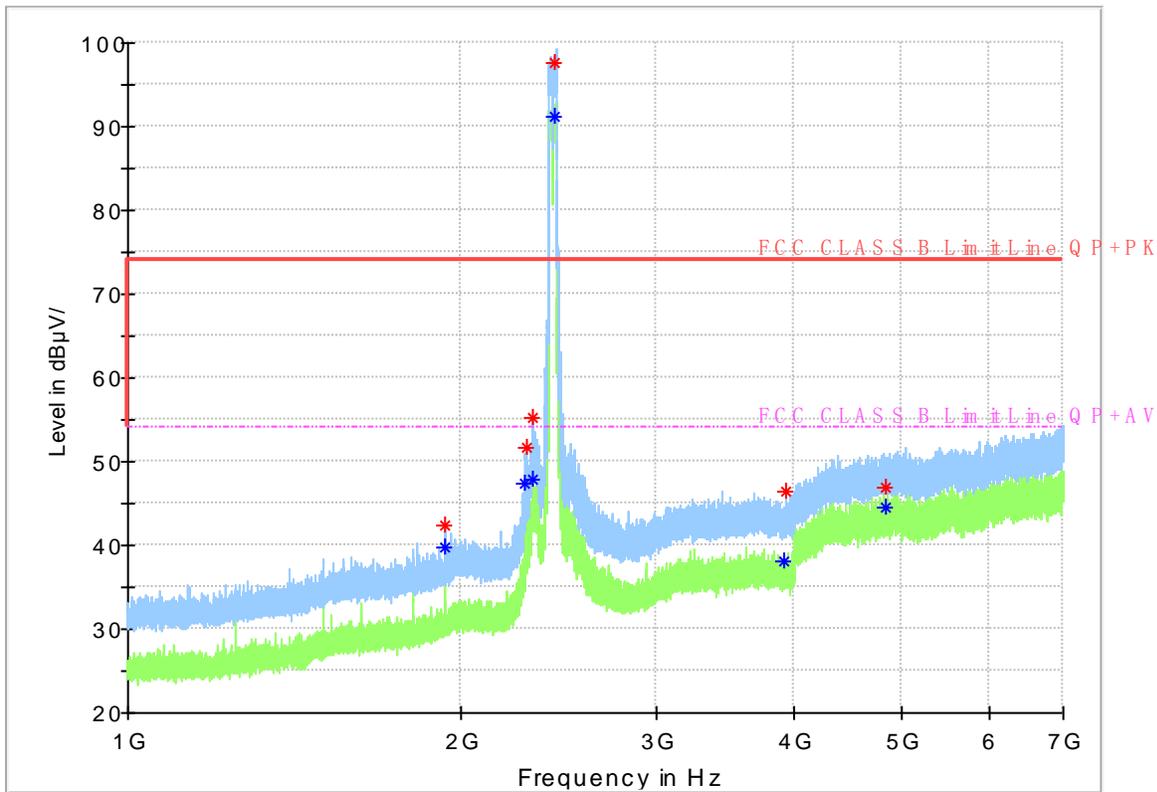


TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Horizontal (N mode-40MHz-3 Channel) -1GHZ~7GHZ

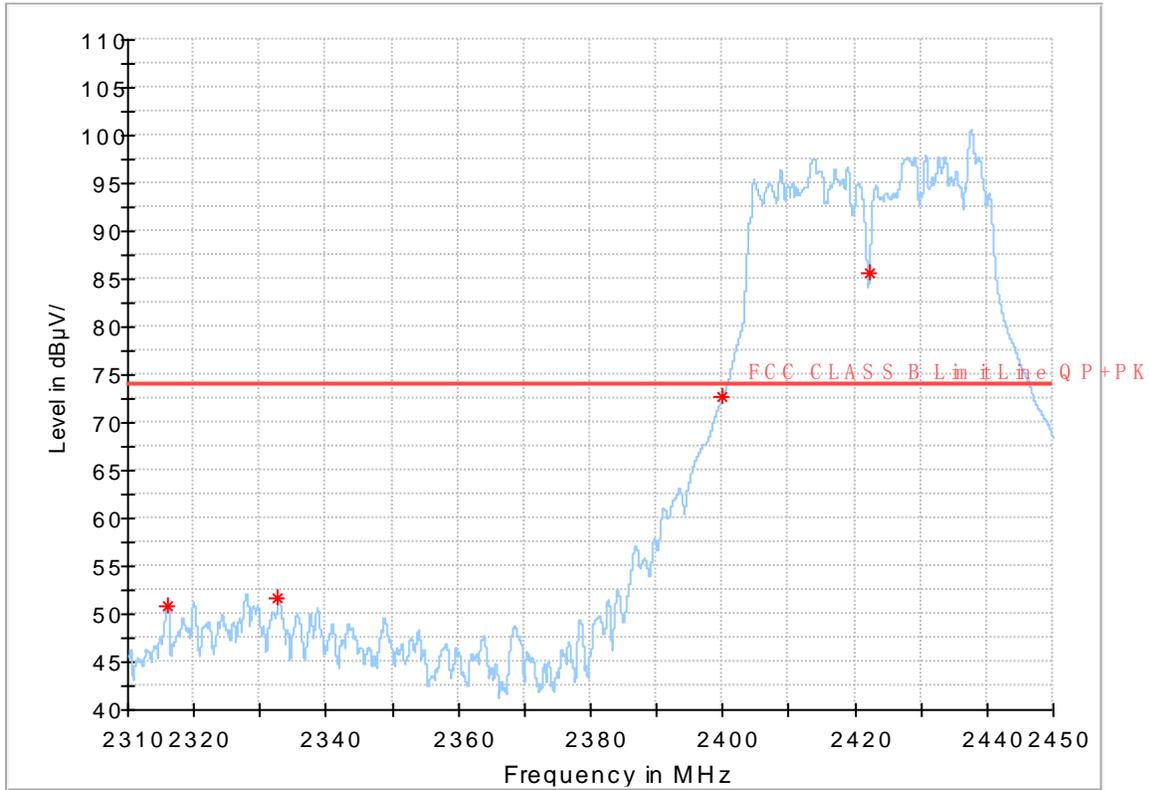
Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1937.400000	42.42	---	74.00	31.58	1000.000	100.0	H	127.0	-4.5
1937.500000	---	39.78	54.00	14.22	1000.000	100.0	H	127.0	-4.5
2287.900000	---	47.47	54.00	6.53	1000.000	200.0	H	234.0	-3.0
2288.200000	51.72	---	74.00	22.28	1000.000	200.0	H	234.0	-3.0
2319.400000	---	47.84	54.00	6.16	1000.000	200.0	H	234.0	-3.1
2325.300000	55.24	---	74.00	18.76	1000.000	200.0	H	247.0	-3.2
2425.400000	---	91.18	---	---	1000.000	100.0	H	194.0	-2.3
2426.900000	97.66	---	---	---	1000.000	100.0	H	194.0	-2.3
3920.500000	---	38.19	54.00	15.81	1000.000	200.0	H	103.0	5.2
3926.900000	46.51	---	74.00	27.49	1000.000	200.0	H	234.0	5.2
4844.000000	47.02	---	74.00	26.98	1000.000	100.0	H	0.0	10.0
4844.000000	---	44.53	54.00	9.47	1000.000	200.0	H	0.0	10.0

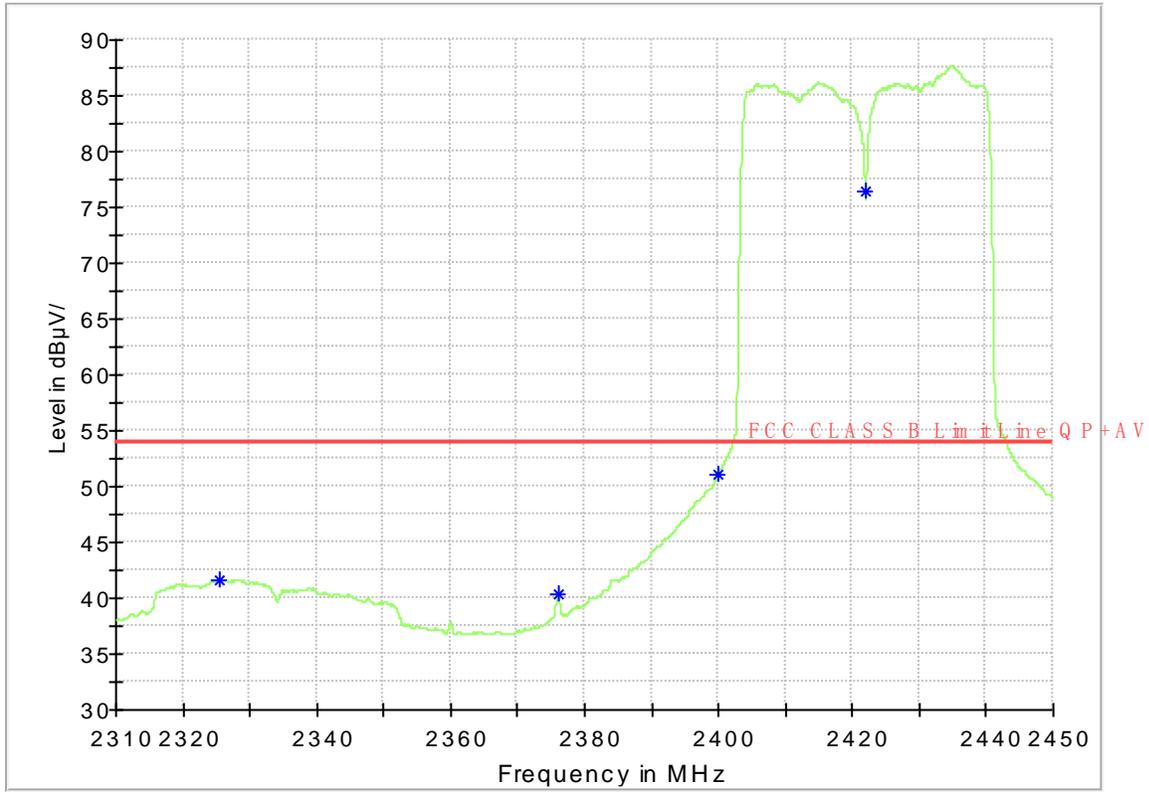
Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2315.894000	50.90	74.00	23.10	1000.000	100.0	H	241.0	-2.1
2332.778000	51.57	74.00	22.43	1000.000	100.0	H	205.0	-2.1
2400.006000	72.63	74.00	1.37	1000.000	100.0	H	189.0	-1.8
2422.196000	85.67	---	---	1000.000	100.0	H	142.0	-1.4

Full Spectrum



Final Result

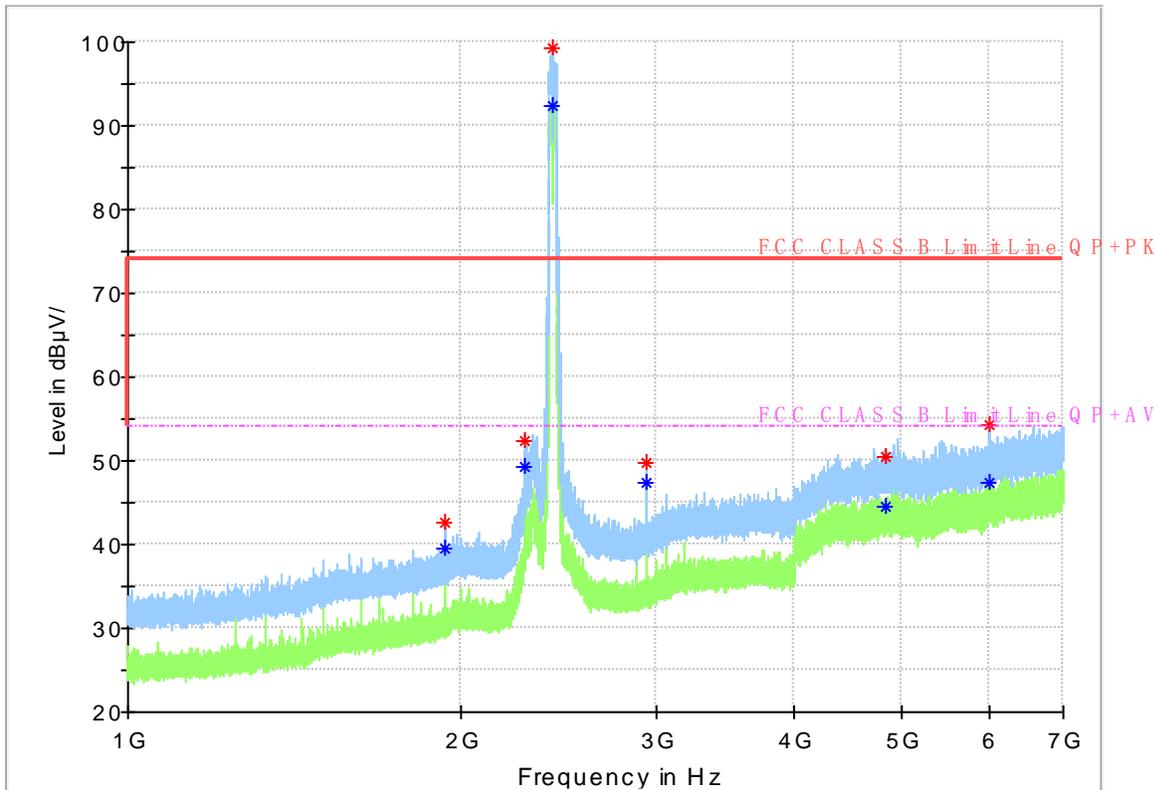
Frequency (MHz)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2325.428000	41.69	54.00	12.31	1000.000	100.0	H	240.0	-2.1
2376.024000	40.31	54.00	13.69	1000.000	100.0	H	240.0	-2.2
2400.020000	51.08	54.00	2.92	1000.000	100.0	H	196.0	-1.8
2421.916000	76.47	---	---	1000.000	100.0	H	240.0	-1.4

TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Vertical (N mode-40MHz-3 Channel) -1GHZ~7GHZ

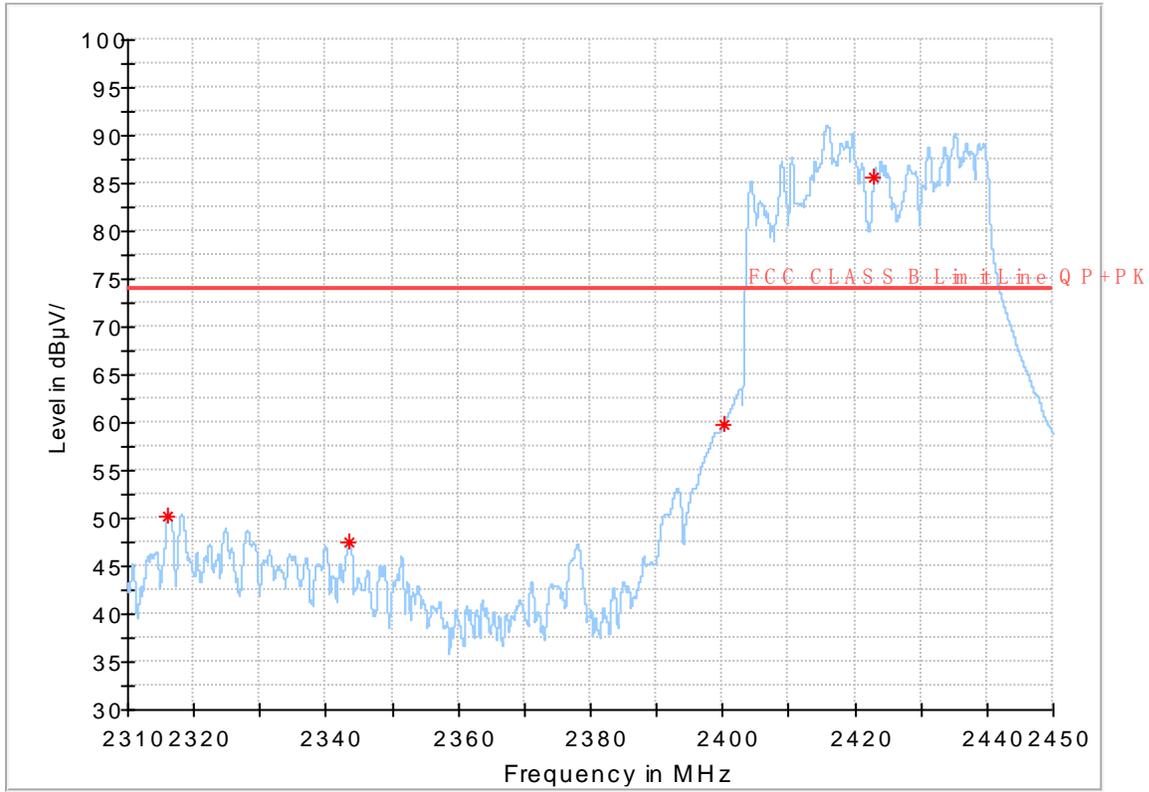
Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1937.400000	---	39.51	54.00	14.49	1000.000	100.0	V	179.0	-4.5
1937.400000	42.70	---	74.00	31.30	1000.000	100.0	V	179.0	-4.5
2287.800000	---	49.23	54.00	4.77	1000.000	100.0	V	150.0	-3.0
2288.000000	52.30	---	74.00	21.70	1000.000	100.0	V	0.0	-3.0
2417.100000	---	92.41	---	---	1000.000	100.0	V	150.0	-2.5
2417.600000	99.27	---	---	---	1000.000	100.0	V	166.0	-2.5
2937.400000	49.70	---	74.00	24.30	1000.000	100.0	V	166.0	0.1
2937.500000	---	47.28	54.00	6.72	1000.000	100.0	V	166.0	0.1
4844.500000	50.44	---	74.00	23.56	1000.000	100.0	V	38.0	10.0
4844.600000	---	44.47	54.00	9.53	1000.000	100.0	V	95.0	10.0
6012.200000	---	47.49	54.00	6.51	1000.000	200.0	V	52.0	11.8
6015.000000	54.38	---	74.00	19.62	1000.000	200.0	V	6.0	11.8

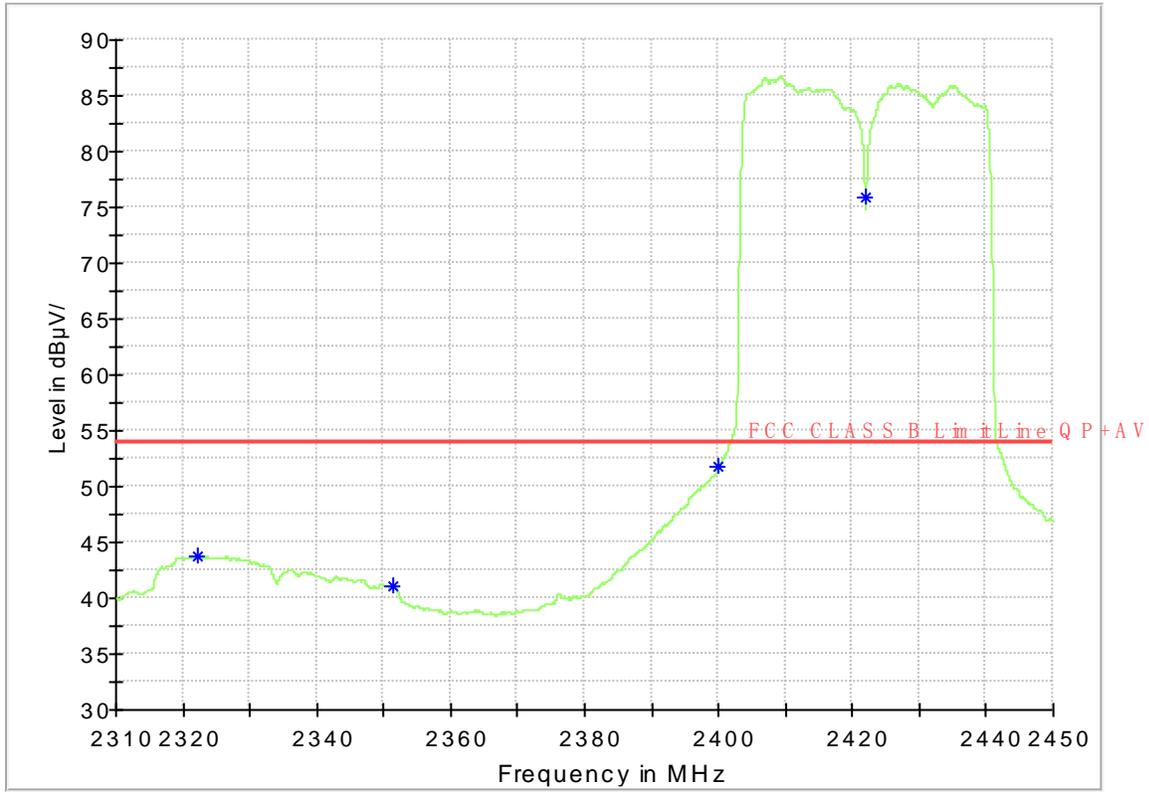
Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2315.922000	50.25	74.00	23.75	1000.000	100.0	V	2.0	-2.1
2343.516000	47.59	74.00	26.41	1000.000	100.0	V	0.0	-2.2
2400.160000	59.84	74.00	14.16	1000.000	100.0	V	26.0	-1.8
2422.952000	85.57	---	---	1000.000	100.0	V	44.0	-1.4

Full Spectrum



Final Result

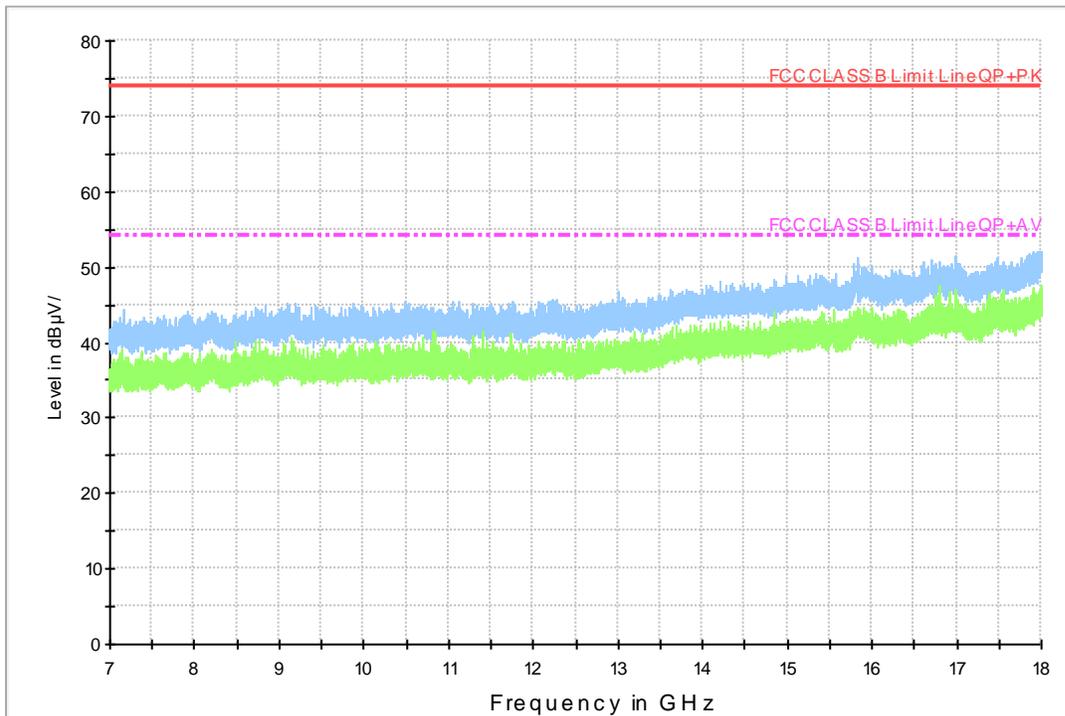
Frequency (MHz)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2322.348000	43.75	54.00	10.25	1000.000	100.0	V	162.0	-2.1
2351.328000	41.04	54.00	12.96	1000.000	100.0	V	162.0	-2.3
2400.048000	51.81	54.00	2.19	1000.000	100.0	V	158.0	-1.8
2421.916000	75.94	---	---	1000.000	100.0	V	190.0	-1.4

TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Horizontal (N mode-40MHz-3 Channel) -7GHZ~18GHZ

FCC CLASS B HF7.0_7G-18G_HOR

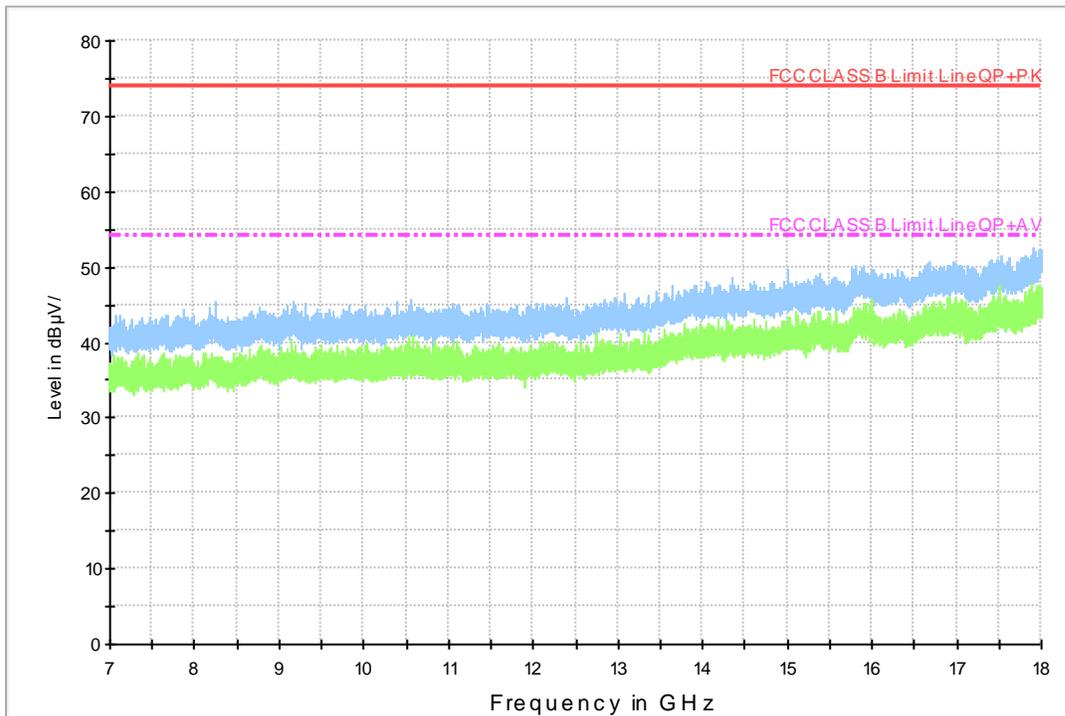


TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Vertical (N mode-40MHz-3 Channel) -7GHZ~18GHZ

FCC CLASS B HF7.0_7G-18G_VER

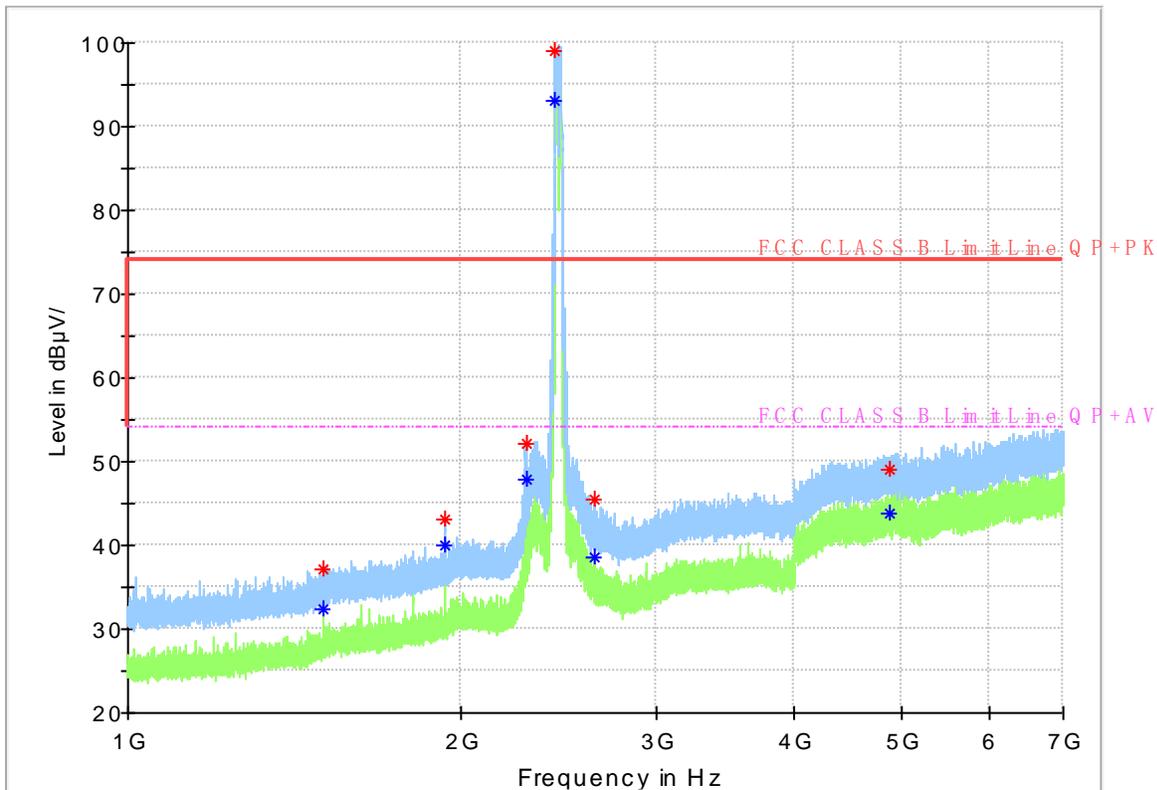


TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Horizontal (N mode-40MHz-6 Channel) -1GHZ~7GHZ

Full Spectrum



Final Result

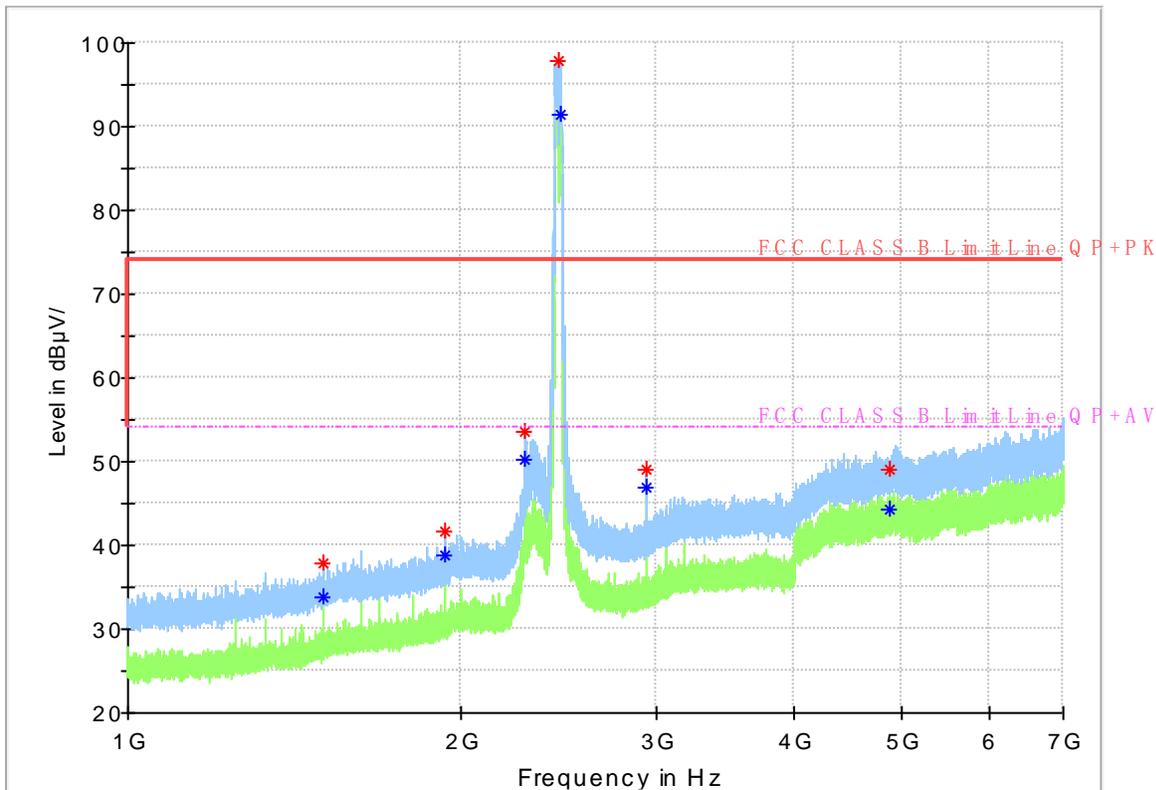
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1500.100000	---	32.30	54.00	21.70	1000.000	100.0	H	217.0	-7.3
1500.300000	37.16	---	74.00	36.84	1000.000	100.0	H	202.0	-7.3
1937.300000	---	39.92	54.00	14.08	1000.000	100.0	H	136.0	-4.5
1937.300000	43.07	---	74.00	30.93	1000.000	100.0	H	136.0	-4.5
2288.300000	---	47.96	54.00	6.04	1000.000	200.0	H	242.0	-3.0
2288.300000	52.12	---	74.00	21.88	1000.000	200.0	H	242.0	-3.0
2432.700000	---	93.19	---	---	1000.000	100.0	H	202.0	-2.1
2434.000000	99.12	---	---	---	1000.000	100.0	H	202.0	-2.1
2639.700000	---	38.53	54.00	15.47	1000.000	100.0	H	247.0	-0.9
2640.200000	45.39	---	74.00	28.61	1000.000	100.0	H	247.0	-0.9
4874.000000	48.93	---	74.00	25.07	1000.000	200.0	H	341.0	10.4
4874.200000	---	43.87	54.00	10.13	1000.000	200.0	H	92.0	10.4

TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Vertical (N mode-40MHz-6 Channel) -1GHZ~7GHZ

Full Spectrum



Final Result

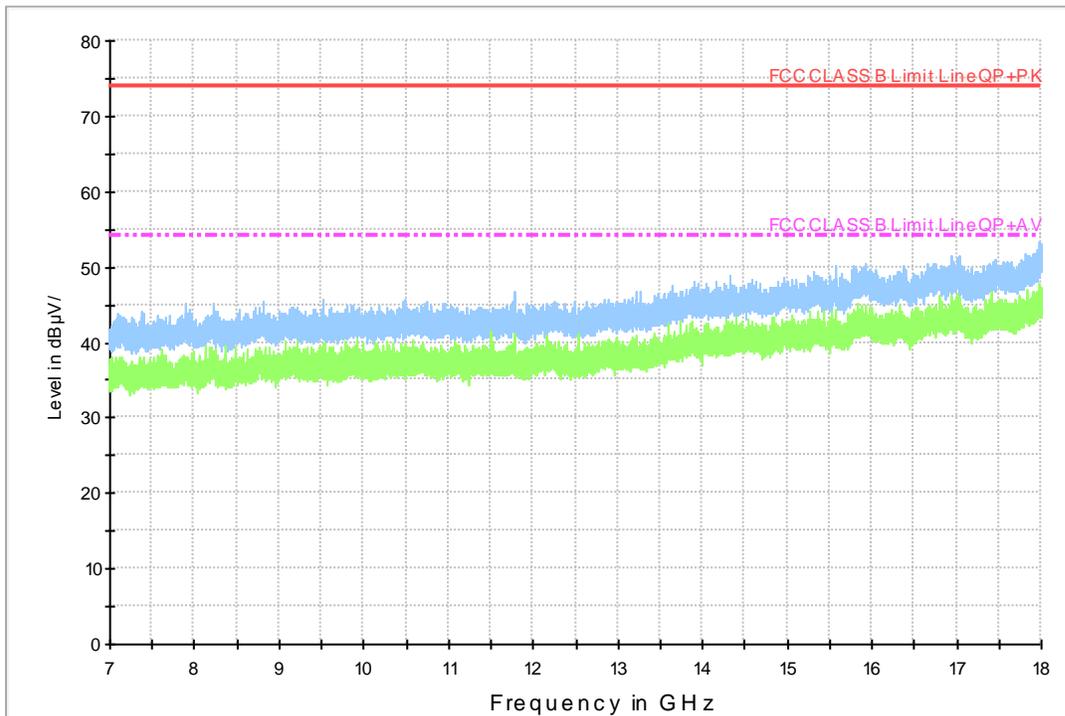
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1499.900000	---	33.92	54.00	20.08	1000.000	200.0	V	181.0	-7.3
1500.000000	37.87	---	74.00	36.13	1000.000	200.0	V	181.0	-7.3
1937.400000	---	38.92	54.00	15.08	1000.000	100.0	V	186.0	-4.5
1937.400000	41.56	---	74.00	32.44	1000.000	100.0	V	186.0	-4.5
2287.900000	53.52	---	74.00	20.48	1000.000	100.0	V	157.0	-3.0
2288.000000	---	50.22	54.00	3.78	1000.000	100.0	V	157.0	-3.0
2453.900000	97.84	---	---	---	1000.000	100.0	V	157.0	-1.9
2455.400000	---	91.33	---	---	1000.000	100.0	V	157.0	-1.9
2937.400000	48.94	---	74.00	25.06	1000.000	100.0	V	157.0	0.1
2937.500000	---	46.93	54.00	7.07	1000.000	100.0	V	157.0	0.1
4873.900000	---	44.28	54.00	9.72	1000.000	200.0	V	117.0	10.4
4874.300000	49.09	---	74.00	24.91	1000.000	100.0	V	315.0	10.4

TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Horizontal (N mode-40MHz-6 Channel) -7GHZ~18GHZ

FCC CLASS B HF7.0_7G-18G_HOR

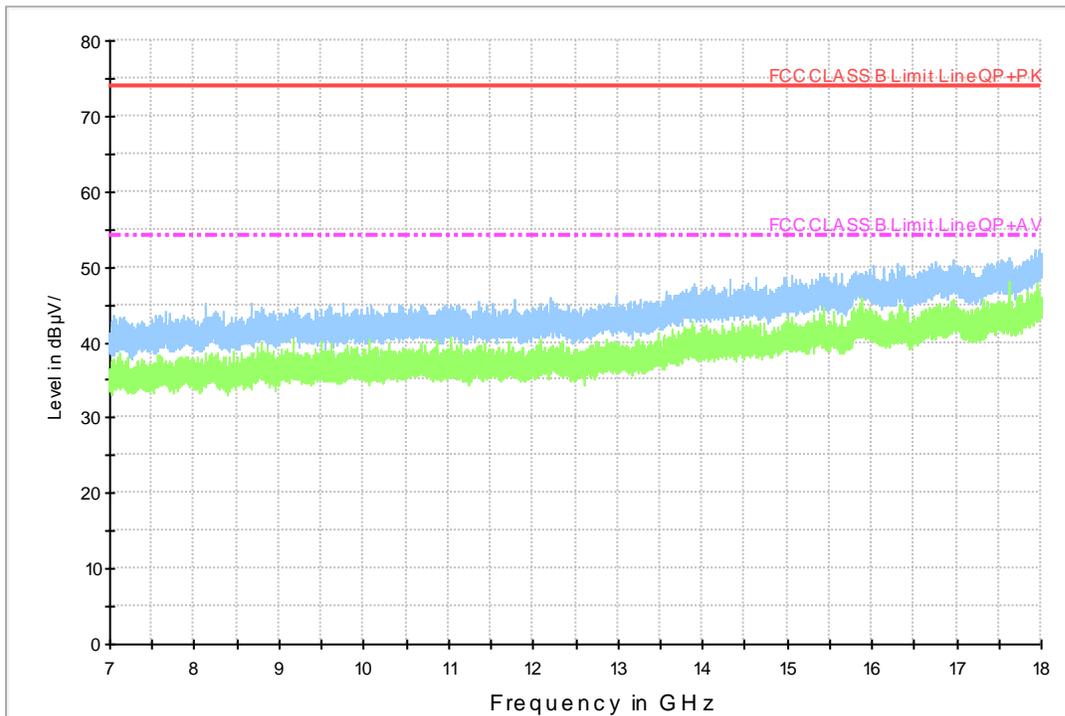


TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Vertical (N mode-40MHz-6 Channel) -7GHZ~18GHZ

FCC CLASS B HF7.0_7G-18G_VER

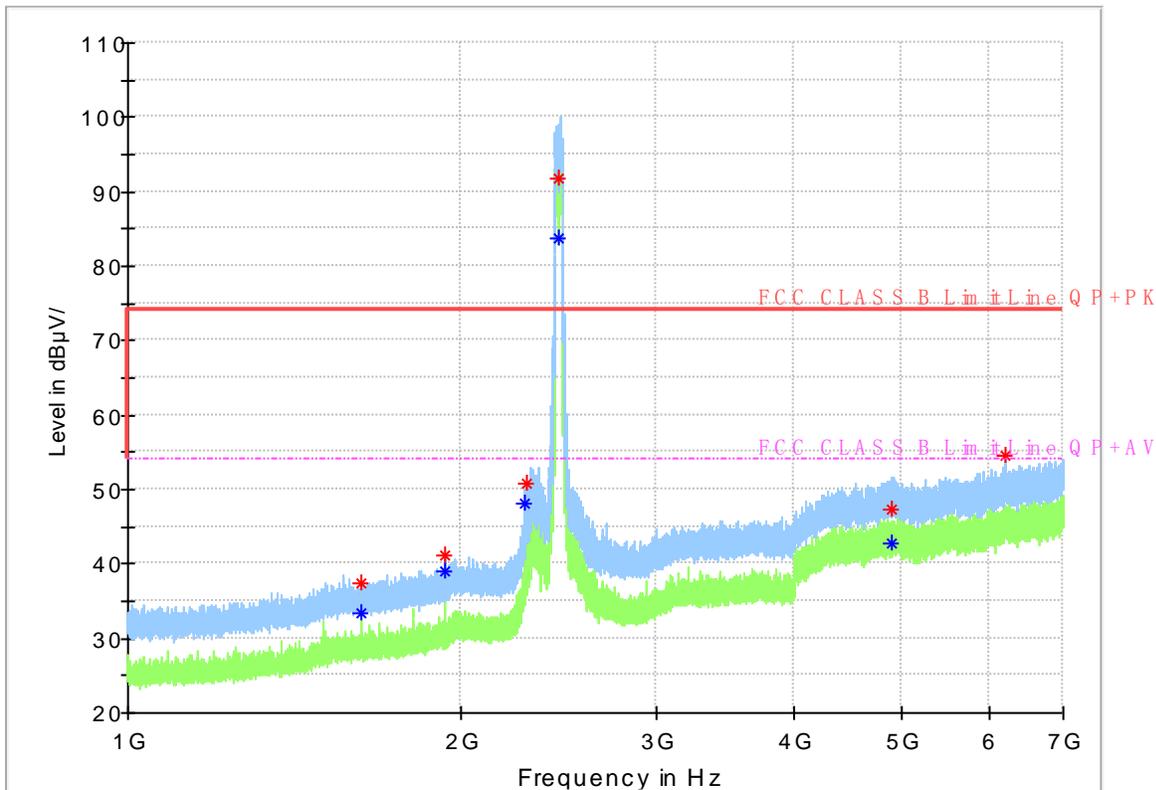


TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Horizontal (N mode-40MHz-9 Channel) -1GHZ~7GHZ

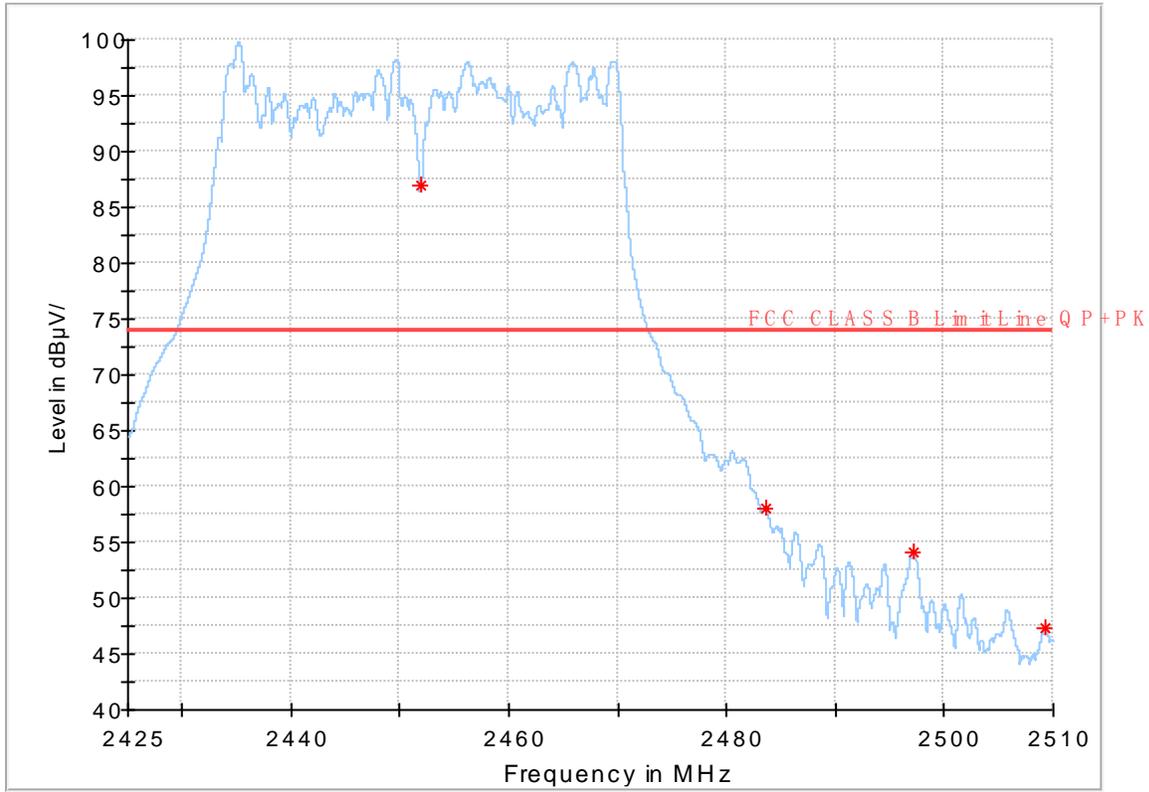
Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1624.800000	37.39	---	74.00	36.61	1000.000	100.0	H	110.0	-6.6
1624.800000	---	33.47	54.00	20.53	1000.000	100.0	H	110.0	-6.6
1937.300000	---	39.15	54.00	14.85	1000.000	100.0	H	133.0	-4.5
1937.500000	41.05	---	74.00	32.95	1000.000	100.0	H	133.0	-4.5
2287.800000	---	48.15	54.00	5.85	1000.000	200.0	H	240.0	-3.0
2288.300000	50.88	---	74.00	23.12	1000.000	200.0	H	240.0	-3.0
2452.000000	91.68	---	---	---	1000.000	200.0	H	109.0	-1.9
2452.100000	---	83.83	---	---	1000.000	200.0	H	94.0	-1.9
4904.000000	47.31	---	74.00	26.69	1000.000	200.0	H	53.0	10.7
4904.100000	---	42.75	54.00	11.25	1000.000	200.0	H	320.0	10.7
6197.900000	54.53	---	74.00	19.47	1000.000	100.0	H	241.0	12.6

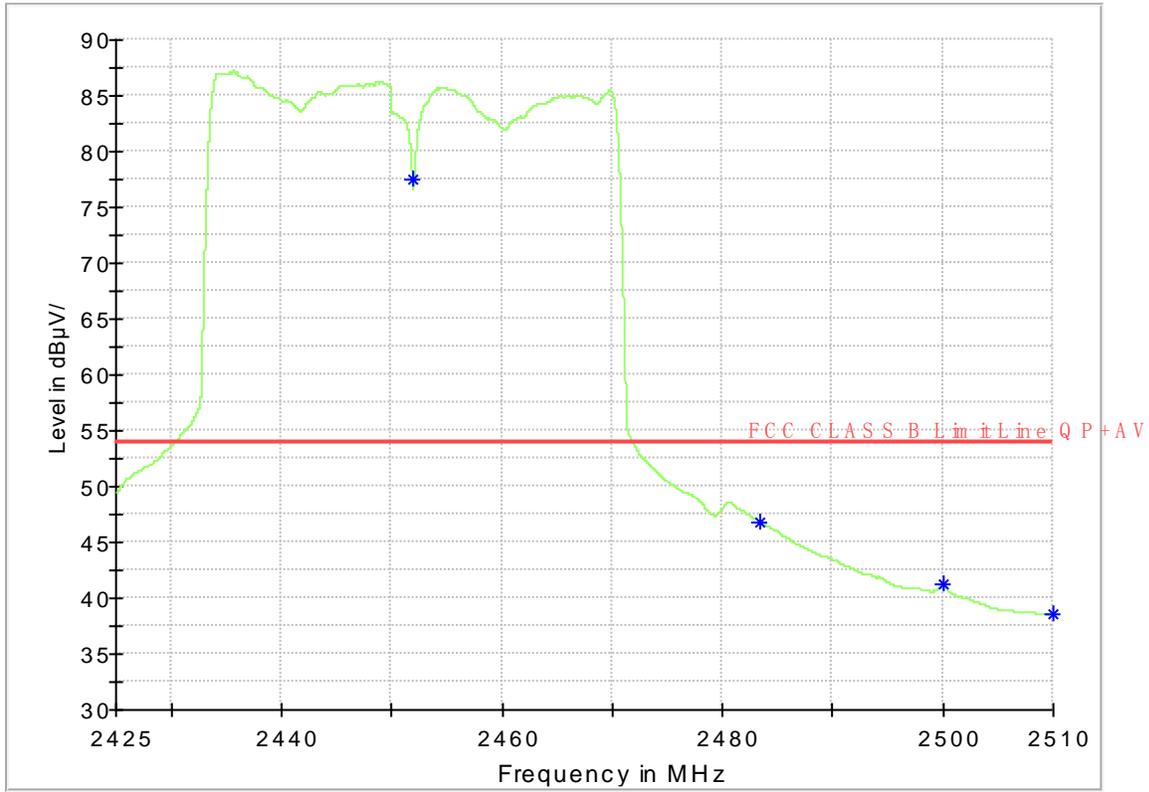
Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2451.884000	86.92	---	---	1000.000	100.0	H	81.0	-1.0
2483.576000	58.10	74.00	15.90	1000.000	100.0	H	99.0	-1.0
2497.244000	54.17	74.00	19.83	1000.000	100.0	H	96.0	-1.0
2509.202000	47.28	74.00	26.72	1000.000	100.0	H	99.0	-1.0

Full Spectrum



Final Result

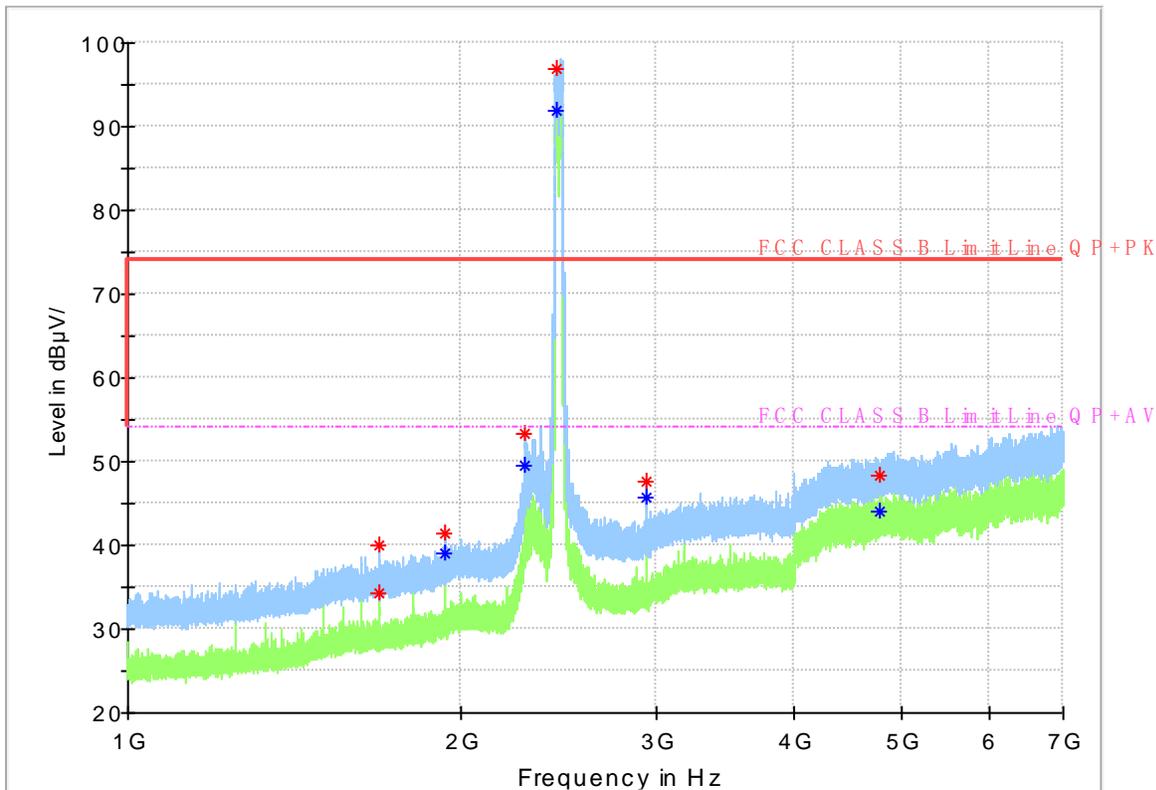
Frequency (MHz)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2451.896000	77.55	---	---	1000.000	100.0	H	108.0	-1.0
2483.504000	46.79	54.00	7.21	1000.000	100.0	H	108.0	-1.0
2500.028000	41.23	54.00	12.77	1000.000	100.0	H	108.0	-1.0
2509.988000	38.55	54.00	15.45	1000.000	100.0	H	108.0	-1.0

TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Vertical (N mode-40MHz-9 Channel) -1GHZ~7GHZ

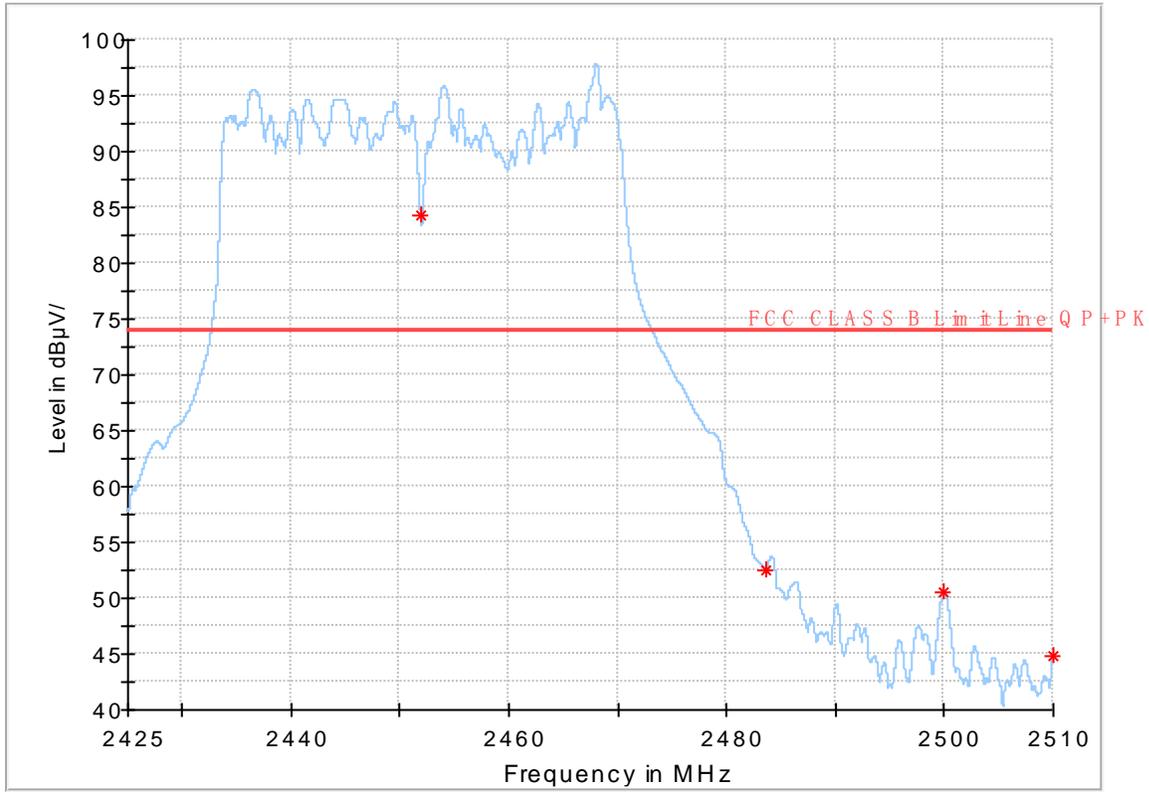
Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1686.500000	34.39	---	74.00	39.61	1000.000	200.0	V	0.0	-6.3
1687.500000	40.06	---	74.00	33.94	1000.000	100.0	V	161.0	-6.3
1937.500000	---	38.96	54.00	15.04	1000.000	100.0	V	174.0	-4.5
1937.500000	41.50	---	74.00	32.50	1000.000	100.0	V	174.0	-4.5
2287.900000	---	49.42	54.00	4.58	1000.000	100.0	V	146.0	-3.0
2288.100000	53.42	---	74.00	20.58	1000.000	100.0	V	161.0	-3.0
2442.300000	---	91.99	---	---	1000.000	200.0	V	35.0	-2.0
2443.200000	97.01	---	---	---	1000.000	200.0	V	35.0	-2.0
2937.600000	---	45.62	54.00	8.38	1000.000	100.0	V	161.0	0.1
2937.600000	47.50	---	74.00	26.50	1000.000	100.0	V	161.0	0.1
4784.200000	---	44.16	54.00	9.84	1000.000	200.0	V	199.0	9.9
4784.400000	48.23	---	74.00	25.77	1000.000	100.0	V	188.0	9.9

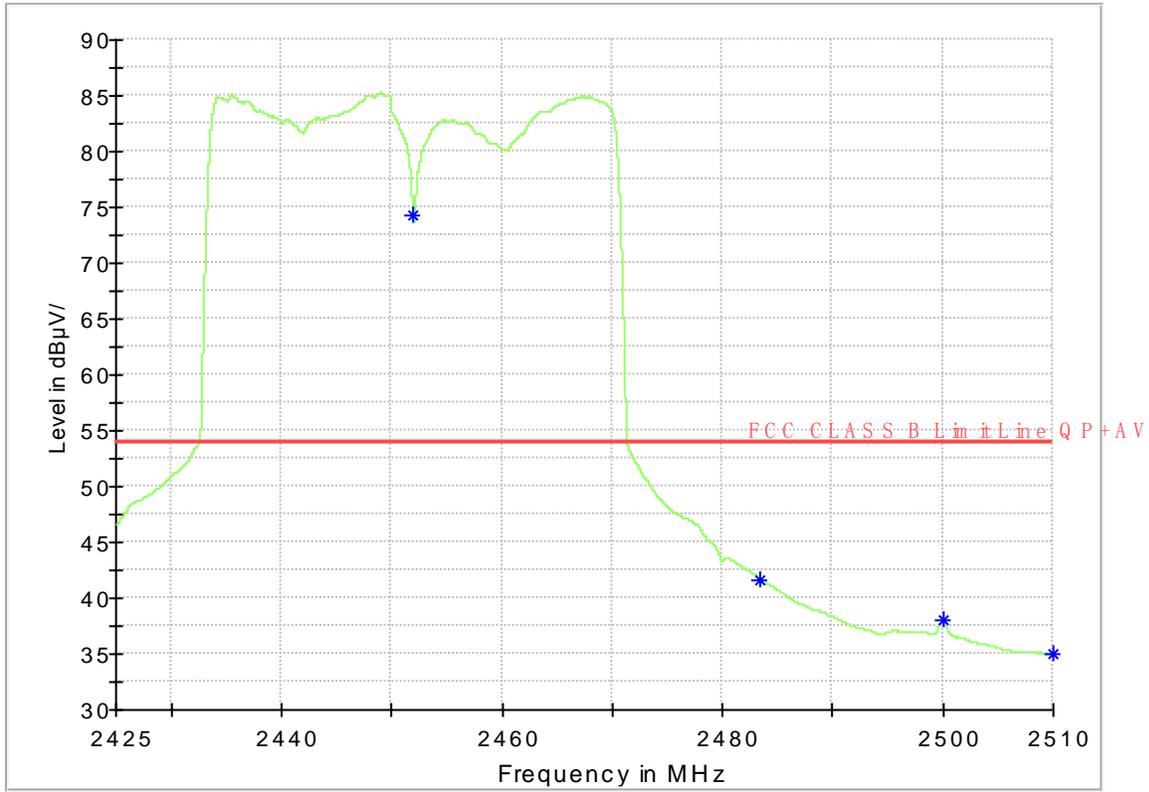
Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2451.884000	84.24	---	---	1000.000	100.0	V	153.0	-1.0
2483.534000	52.57	74.00	21.43	1000.000	100.0	V	176.0	-1.0
2499.914000	50.61	74.00	23.39	1000.000	100.0	V	153.0	-1.0
2509.976000	44.81	74.00	29.19	1000.000	100.0	V	153.0	-1.0

Full Spectrum



Final Result

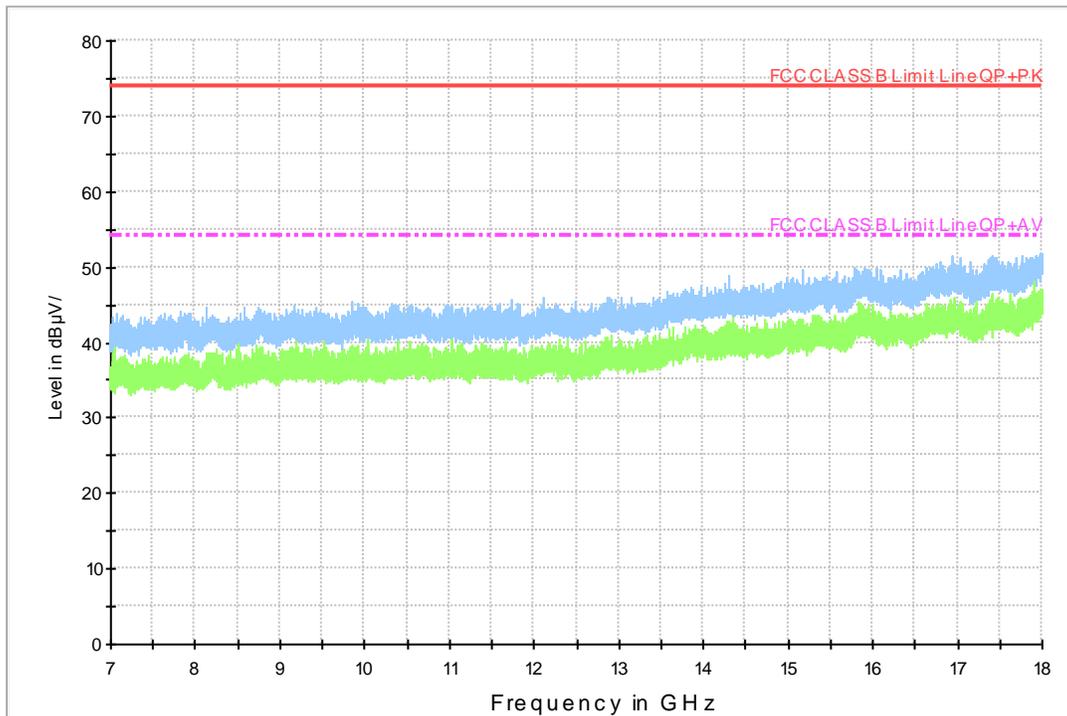
Frequency (MHz)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2451.956000	74.20	---	---	1000.000	100.0	V	151.0	-1.0
2483.504000	41.66	54.00	12.34	1000.000	100.0	V	174.0	-1.0
2499.968000	38.09	54.00	15.91	1000.000	100.0	V	174.0	-1.0
2509.988000	34.92	54.00	19.08	1000.000	100.0	V	174.0	-1.0

TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Horizontal (N mode-40MHz-9 Channel) -7GHZ~18GHZ

FCC CLASS B HF7.0_7G-18G_HOR

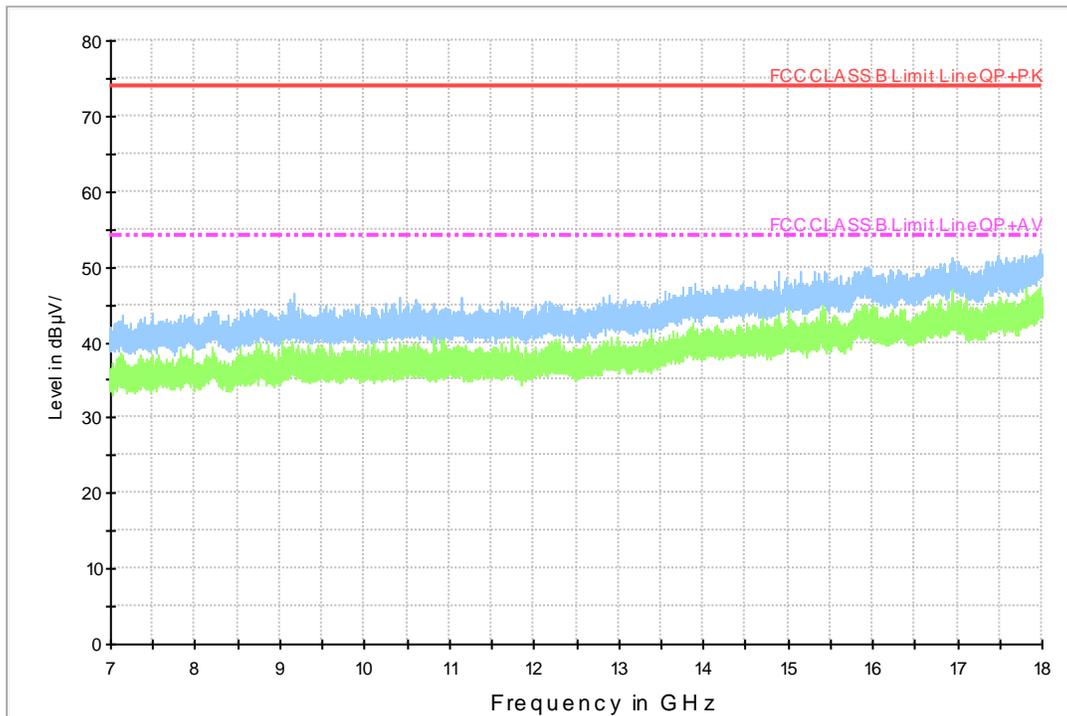


TEST

Electric Field Strength

EUT: ZXR10 1800-2S(W)
Manufacturer: ZTE Corporation
Operating Condition: Running
Test Site: ZTETS EMC Shenzhen LAB
Operator: Zhang Qichao
Test Specification: FCC Part 15 CLASS B
Comment: Vertical (N mode-40MHz-9 Channel) -7GHZ~18GHZ

FCC CLASS B HF7.0_7G-18G_VER



8 6dB EMISSION BANDWIDTH

8.1 Applicable Standard: FCC §15.247(a)

Systems using digital modulation techniques may operate in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands, The minimum 6dB bandwidth shall be at least 500kHz

8.2 Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9020A	MY48011941	2014-6-16	2015-6-16

***statement of traceability:**ZTE Corporation Reliability Testing Center attest that all calibration have been performed per the NVLAP requirements, traceable to NIST.

8.3 Test Procedure

The transmitter output was connected to a spectrum analyzer. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 KHz RBW and 300 KHz VBW. The 6dB bandwidth is defined as the total spectrum with the power of which is lower than peak power for 6dB.

Detector = Peak, Trace mode = max hold, Sweep = auto couple.

Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

8.4 Environmental Conditions

Temperature:	20 ° C
Relative Humidity:	53%
ATM Pressure:	1009mbar

8.5 Test Result: pass

Mode	Channel	Antenna Port	6dB bandwidth(MHz)	Limit (kHz)	Test Data	Result
802.11.b	CH LOW	Port 1	13.852	500	Diagram 8-1	Pass
		Port 2	13.914	500		Pass
	CH MID	Port 1	13.807	500	Diagram 8-2	Pass
		Port 2	13.839	500		Pass
	CH HIGH	Port 1	13.840	500	Diagram 8-3	Pass
		Port 2	13.836	500		Pass
802.11.g	CH LOW	Port 1	16.554	500	Diagram 8-4	Pass
		Port 2	16.542	500		Pass
	CH MID	Port 1	16.488	500	Diagram 8-5	Pass
		Port 2	16.520	500		Pass
	CH HIGH	Port 1	16.524	500	Diagram 8-6	Pass
		Port 2	16.512	500		Pass
802.11.n. HT20	CH LOW	Port 1	17.707	500	Diagram 8-7	Pass
		Port 2	17.715	500		Pass
	CH MID	Port 1	17.675	500	Diagram 8-8	Pass
		Port 2	17.677	500		Pass
	CH HIGH	Port 1	17.676	500	Diagram 8-9	Pass
		Port 2	17.691	500		Pass
802.11.n. HT40	CH LOW	Port 1	36.290	500	Diagram 8-10	Pass
		Port 2	36.299	500		Pass
	CH MID	Port 1	36.254	500	Diagram 8-11	Pass
		Port 2	36.263	500		Pass
	CH HIGH	Port 1	36.313	500	Diagram 8-12	Pass
		Port 2	36.340	500		Pass

Please refer to following plots.

Diagram 8-1

