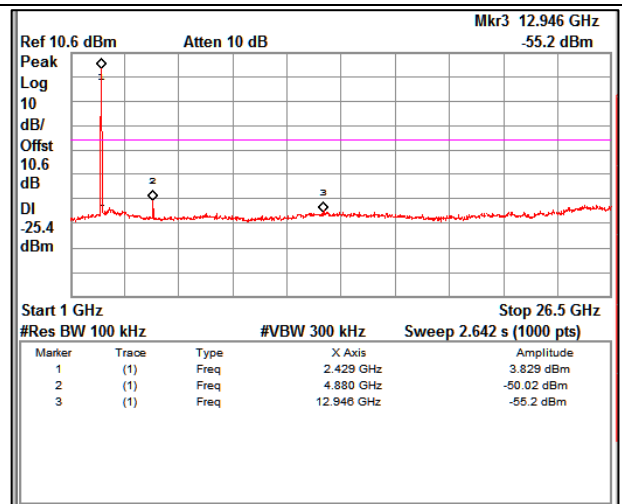
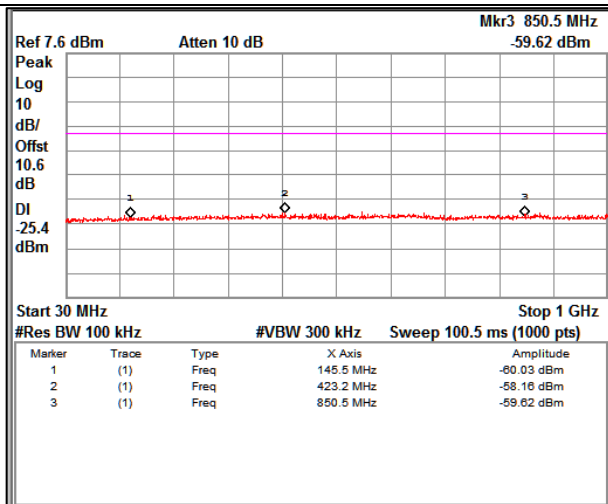
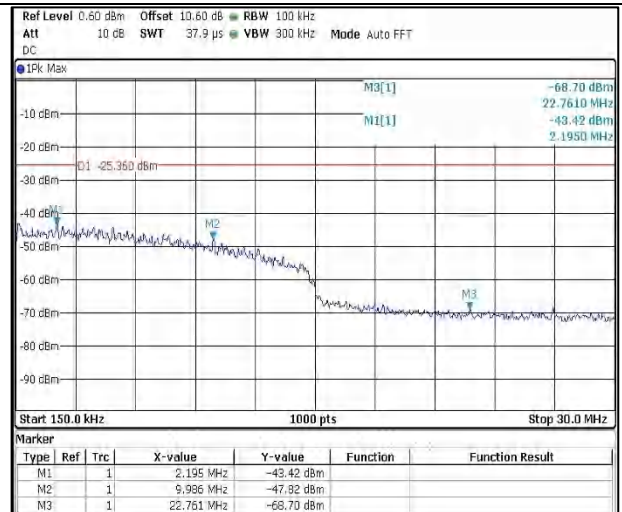
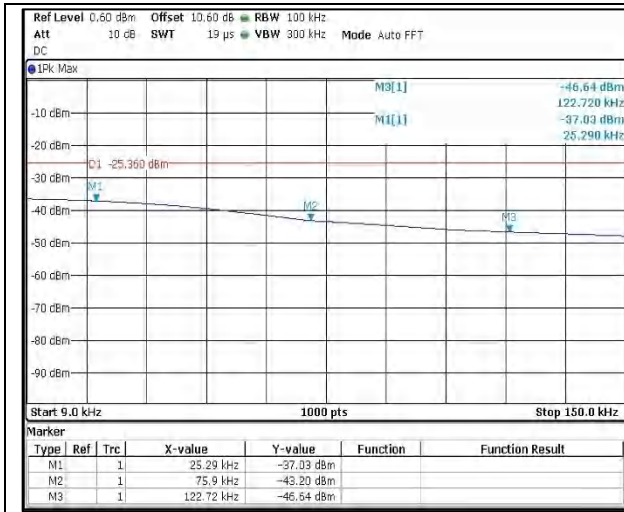


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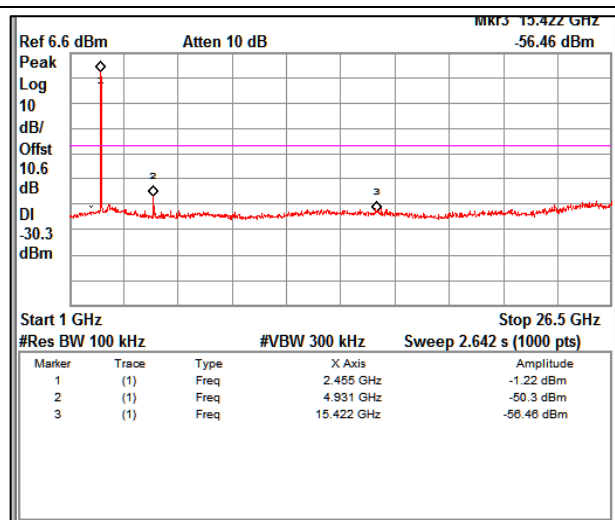
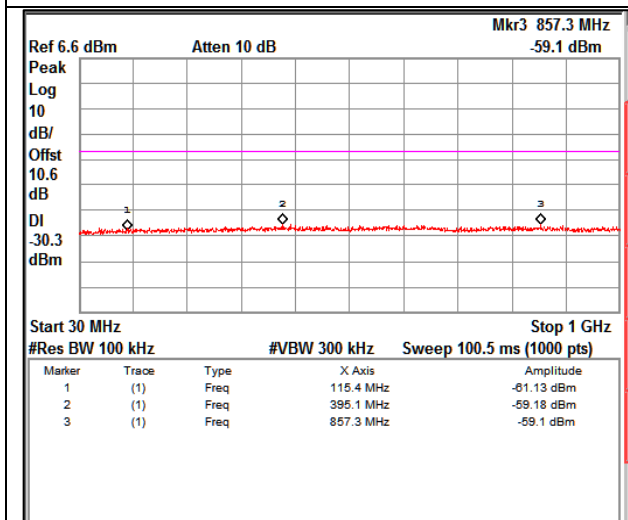
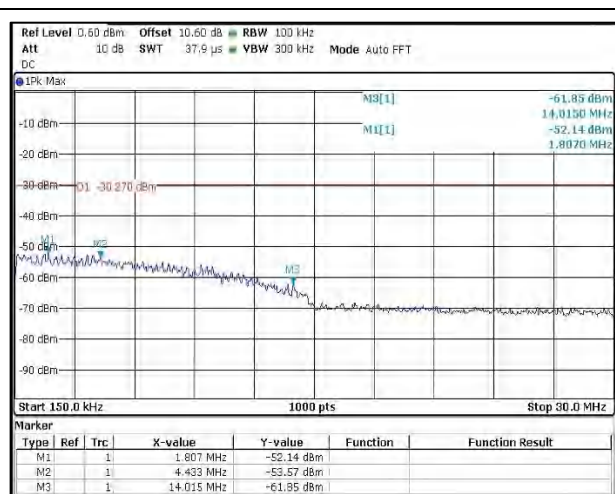
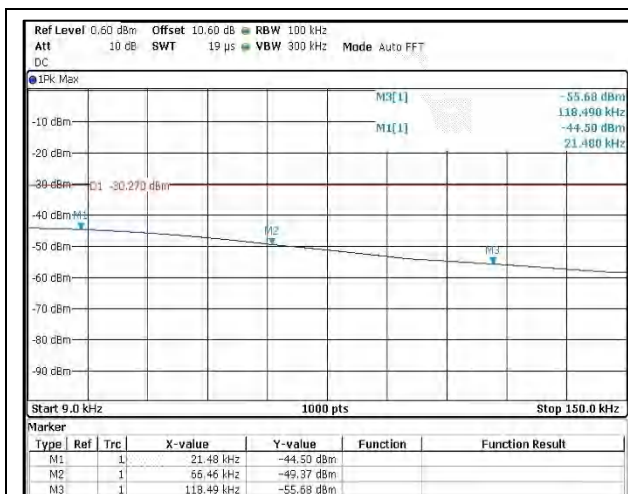
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Channel Frequency 2437MHz

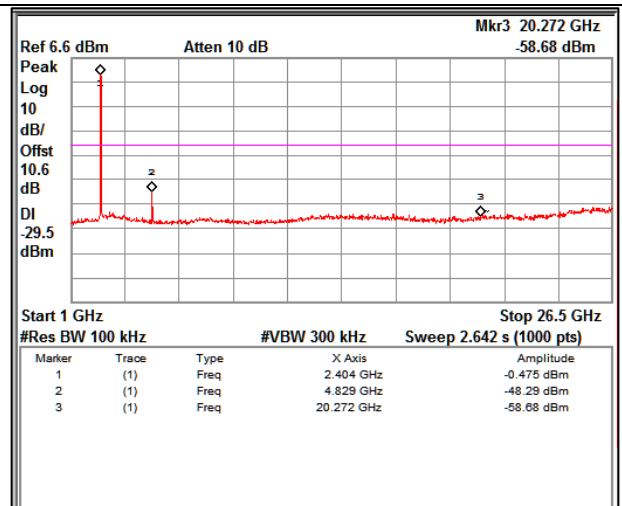
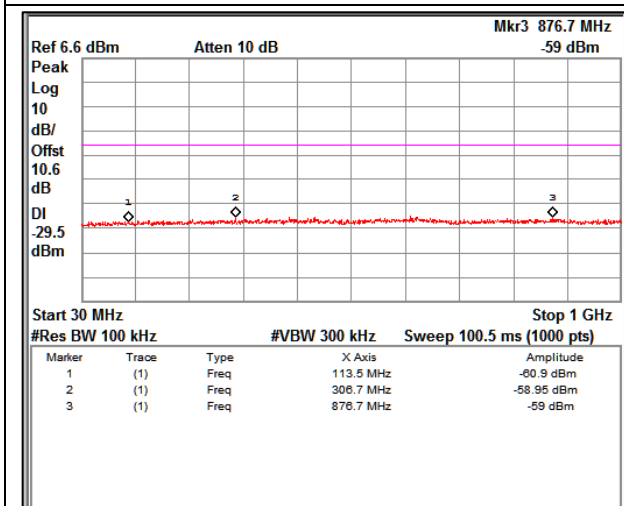
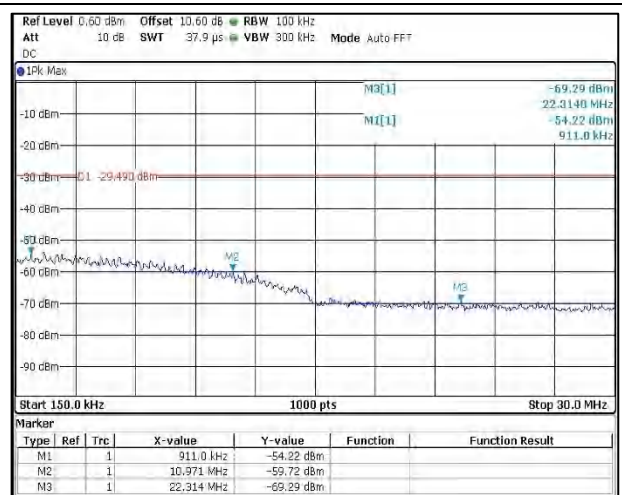
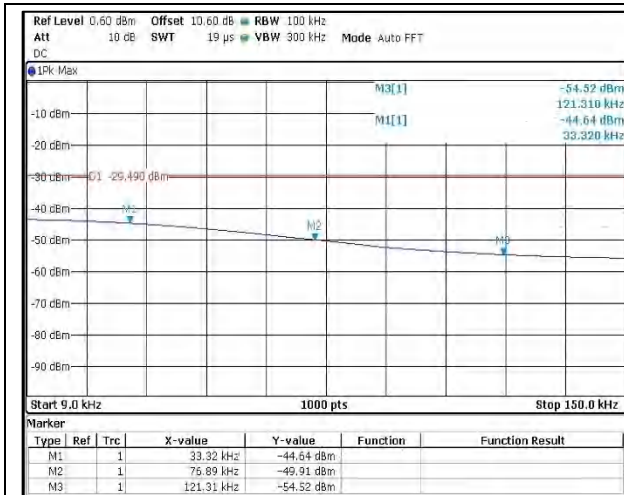


Channel Frequency 2462MHz

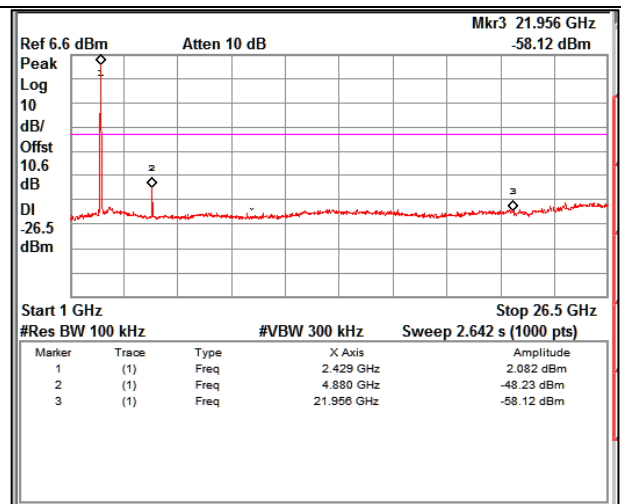
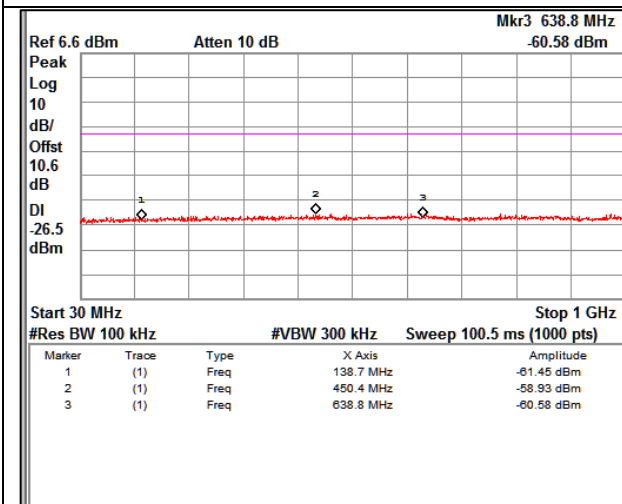
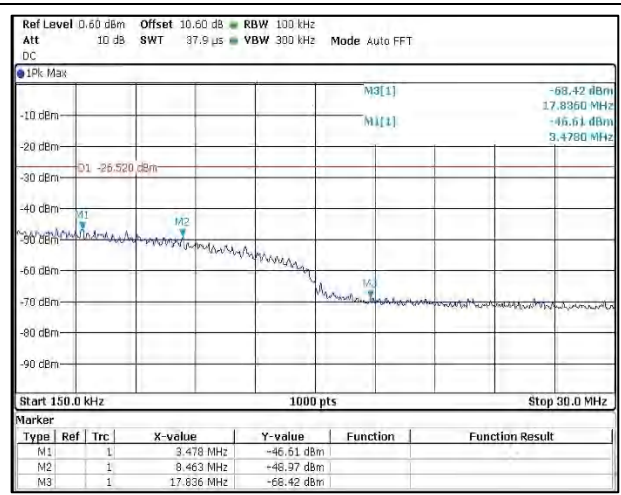
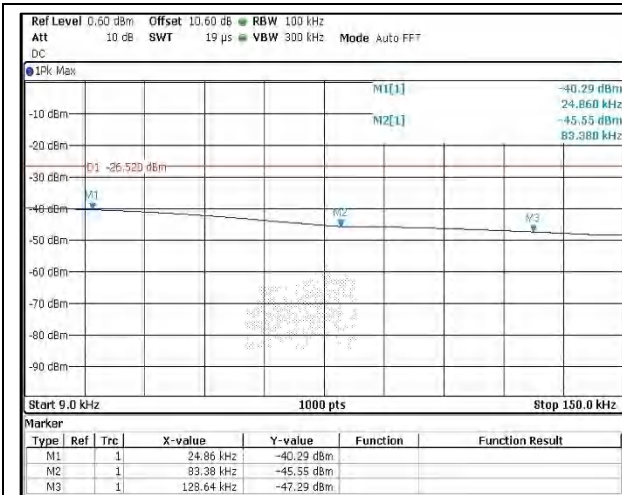


Data rate: MCS4

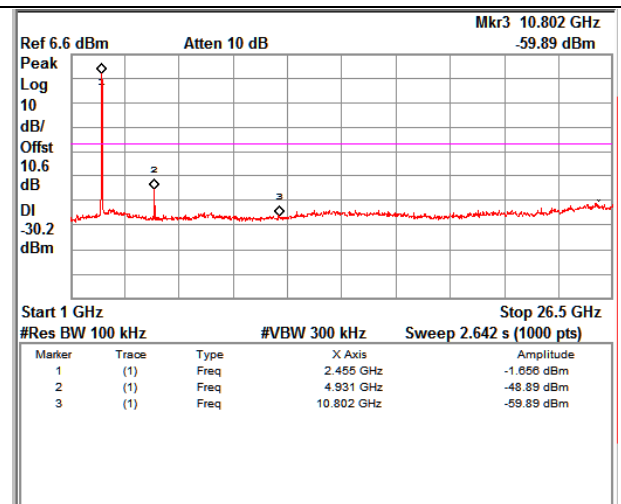
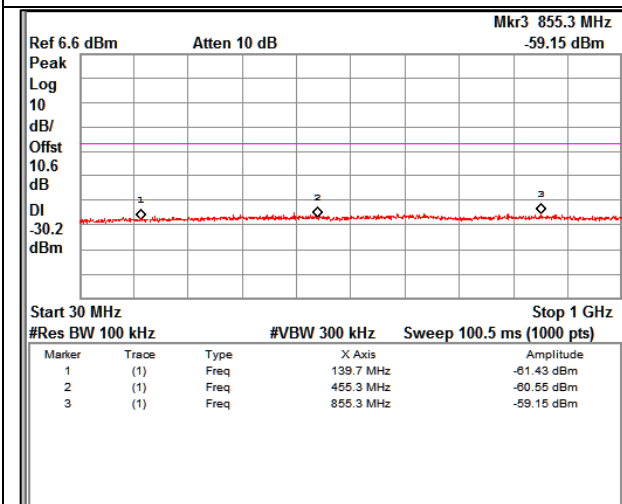
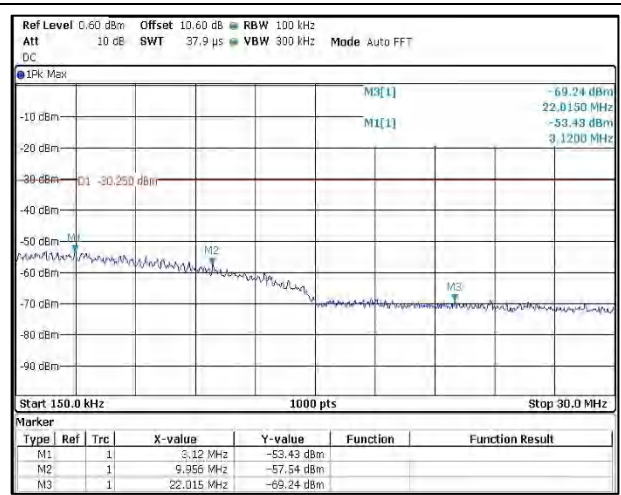
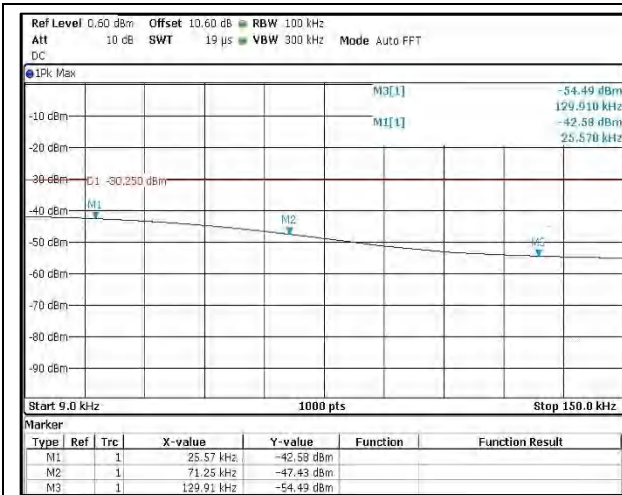
Channel Frequency 2412MHz



Channel Frequency 2437MHz



Channel Frequency 2462MHz



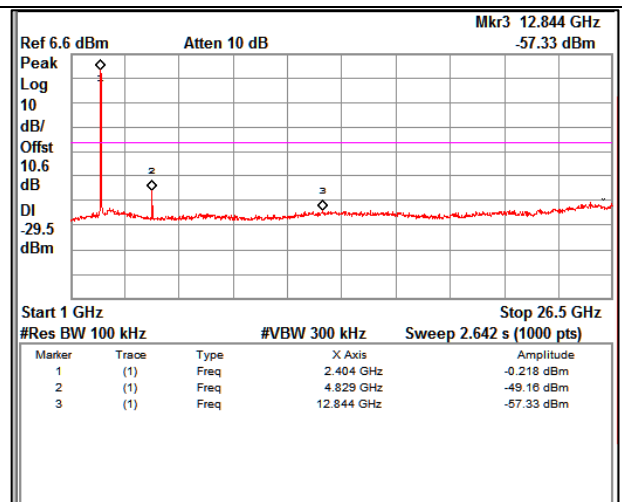
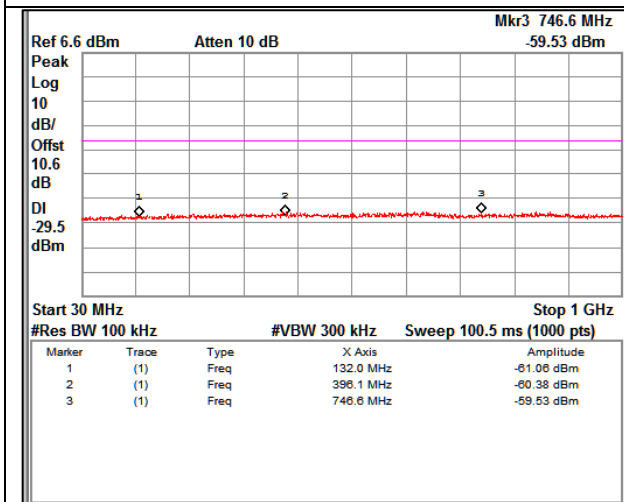
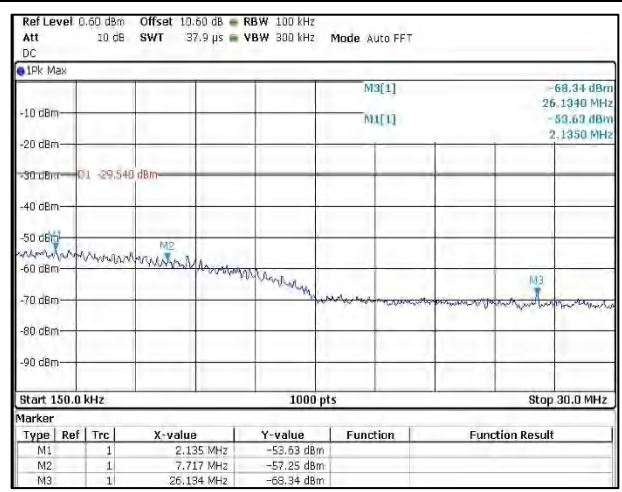
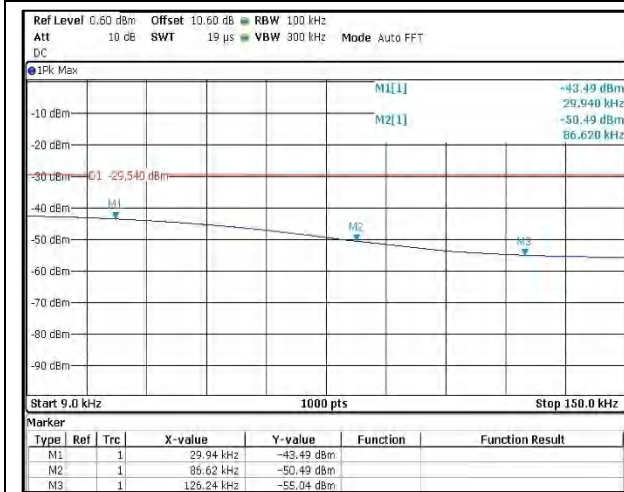
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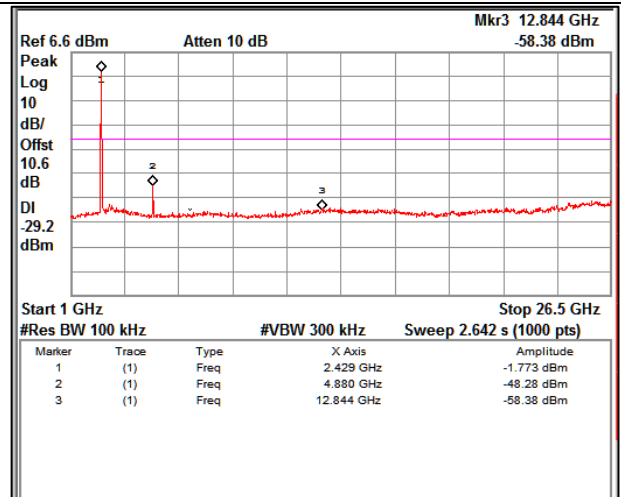
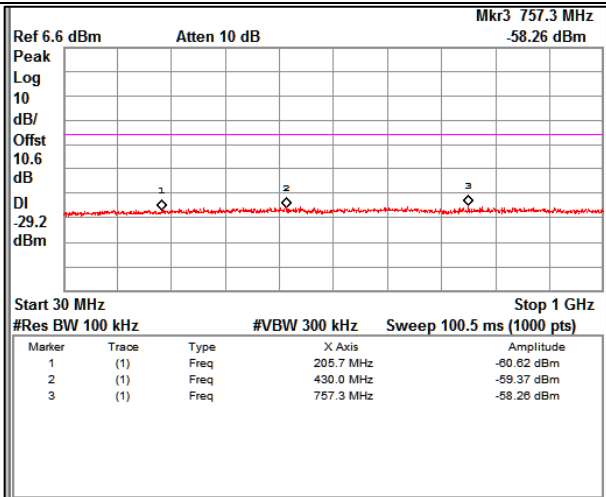
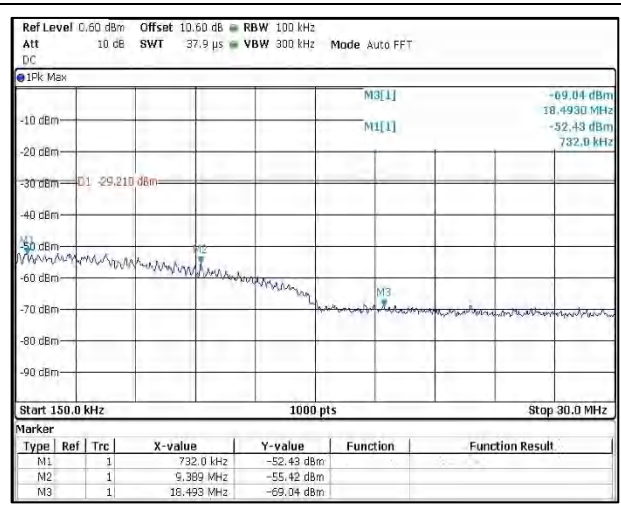
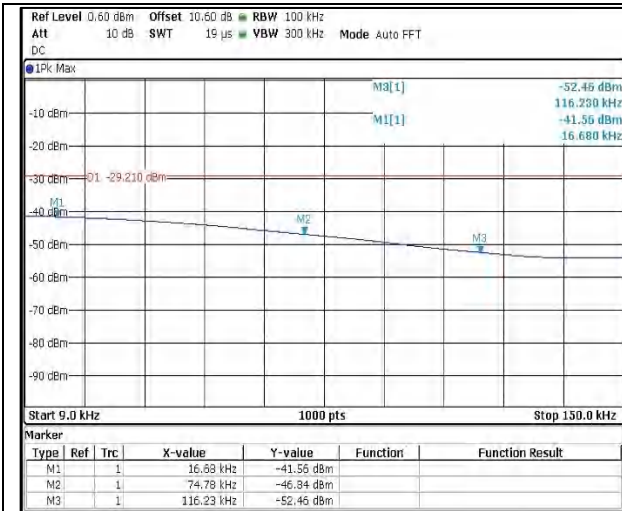
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Data rate: MCS7

Channel Frequency 2412MHz

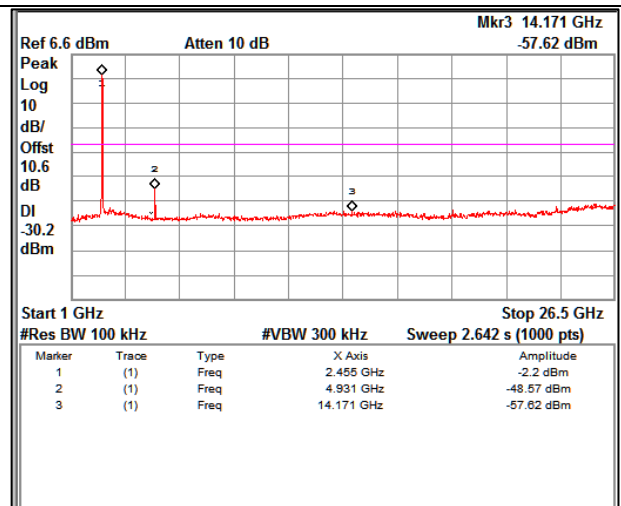
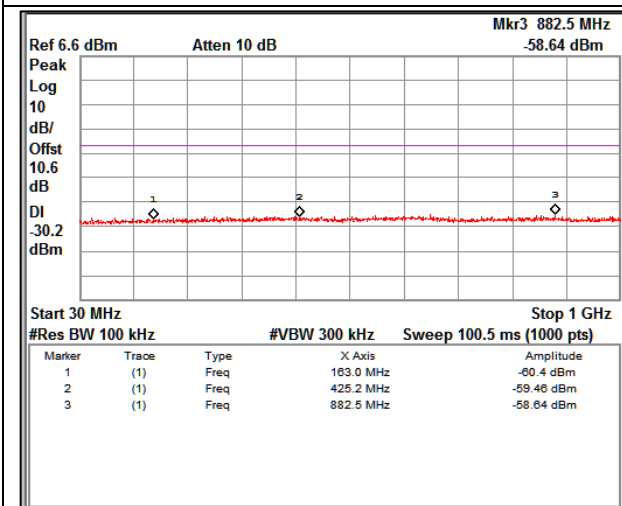
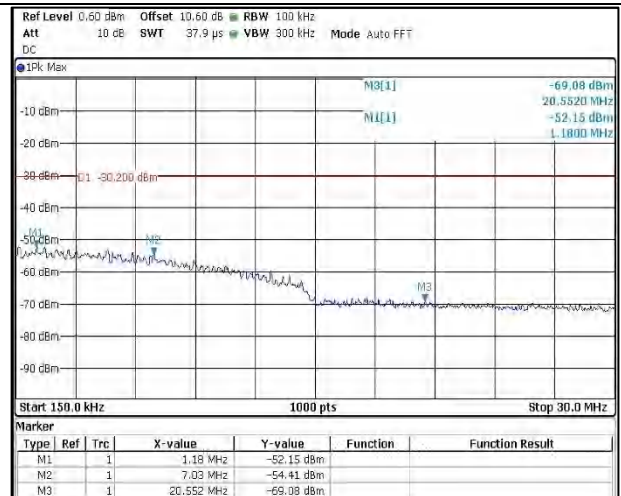
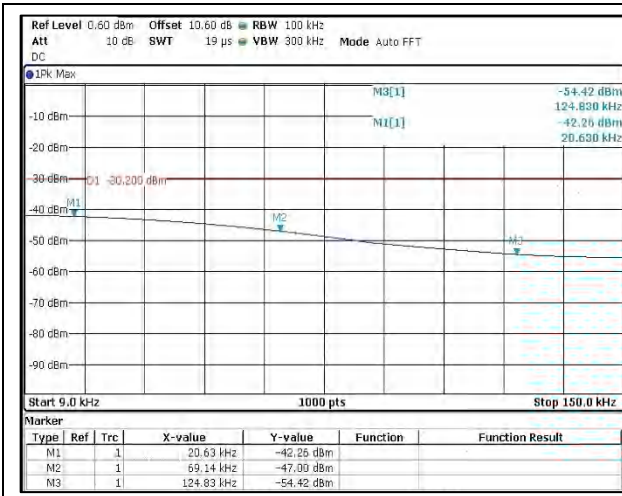


Channel Frequency 2437MHz

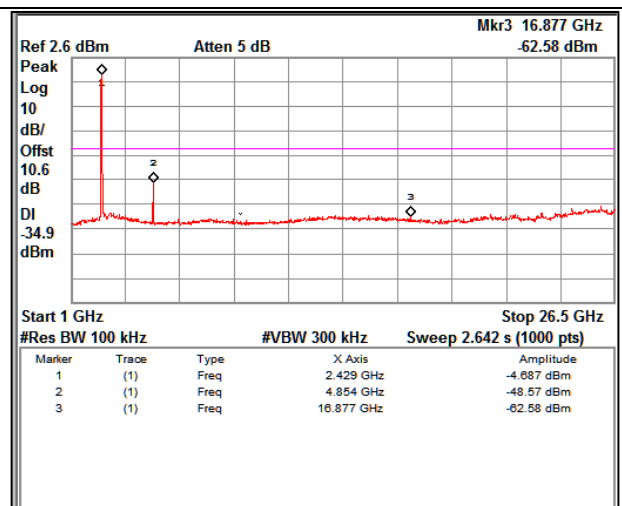
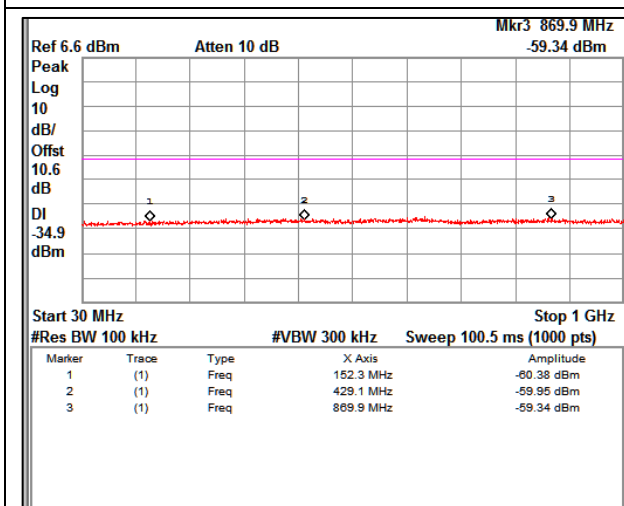
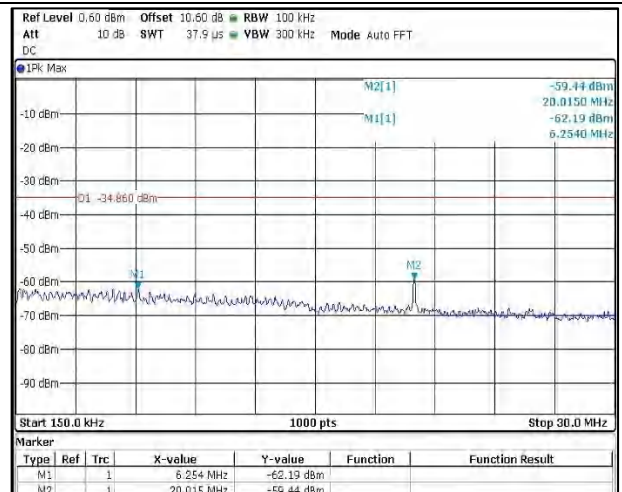
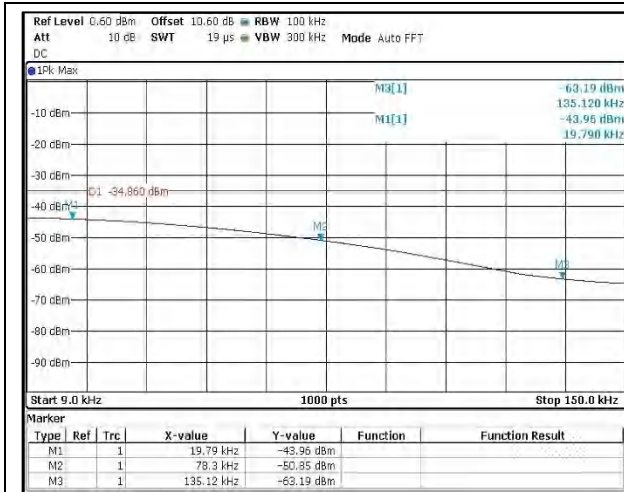




Channel Frequency 2462MHz





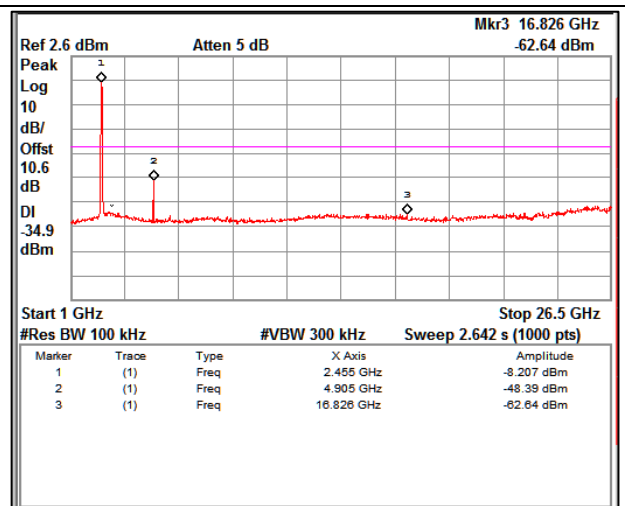
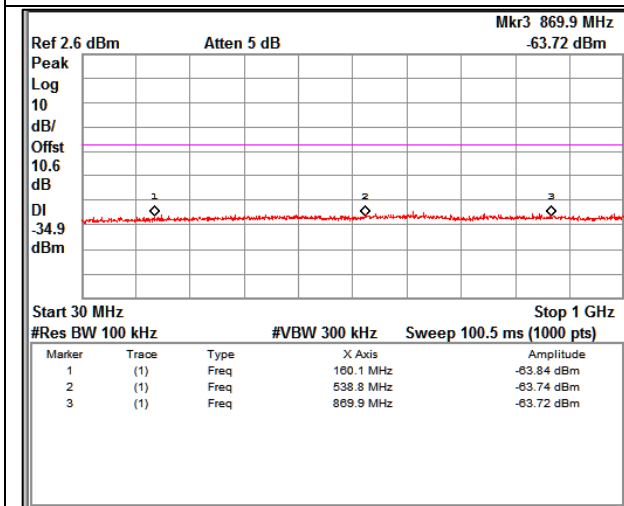
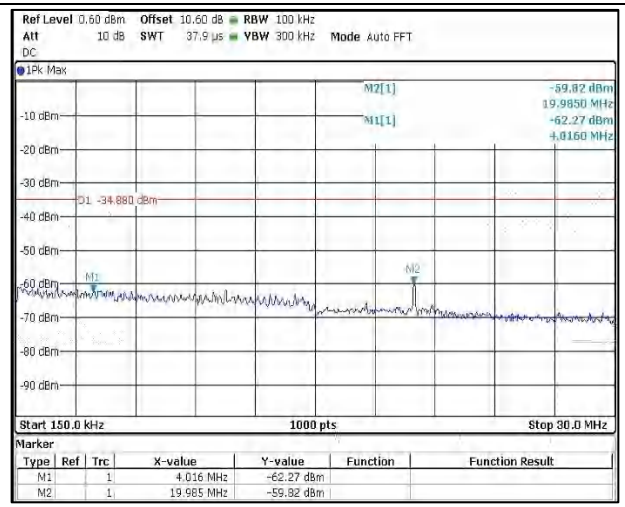
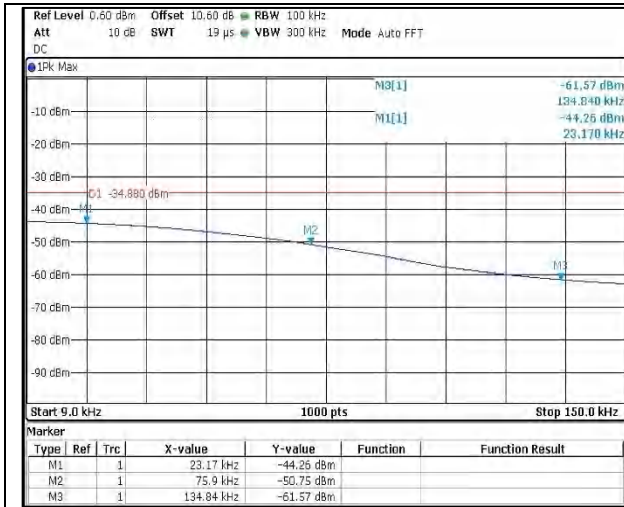
**Modulation: 802.11n\_HT40**
**Data rate: MCS0**
**Channel Frequency 2422MHz**


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Channel Frequency 2452MHz



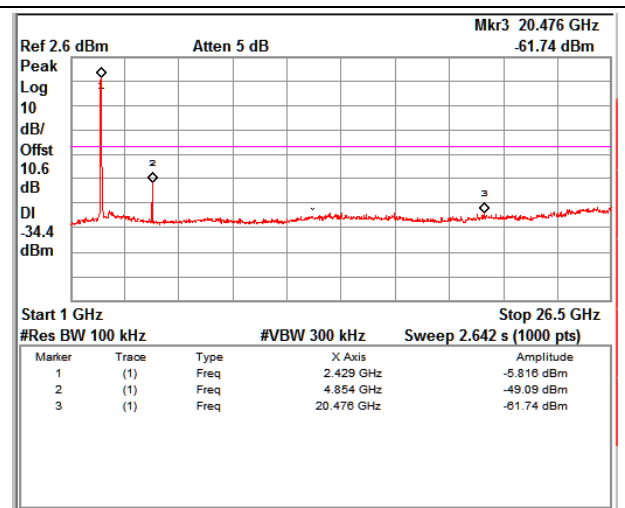
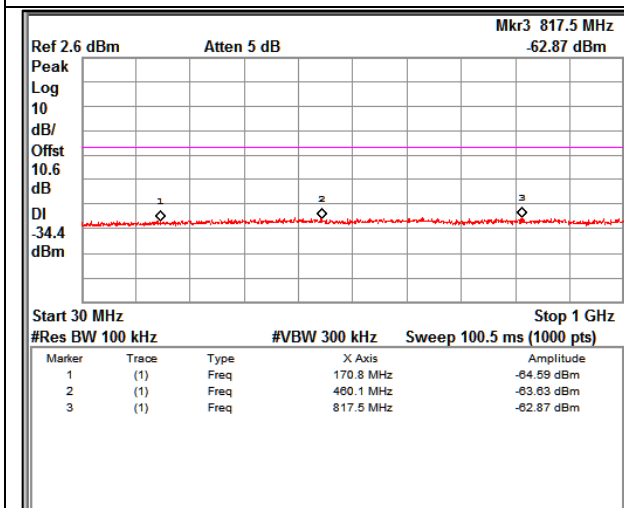
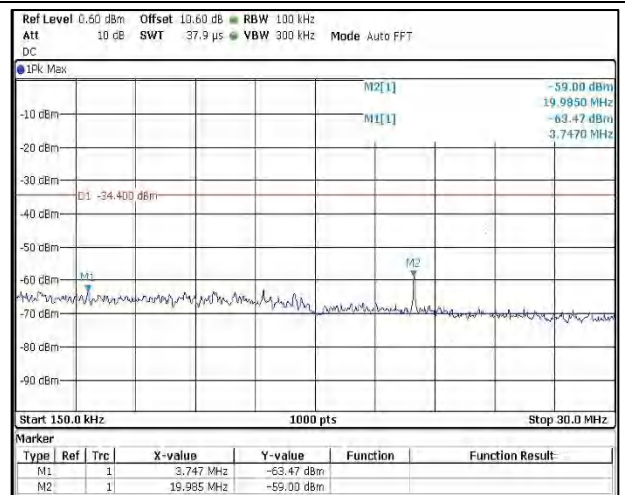
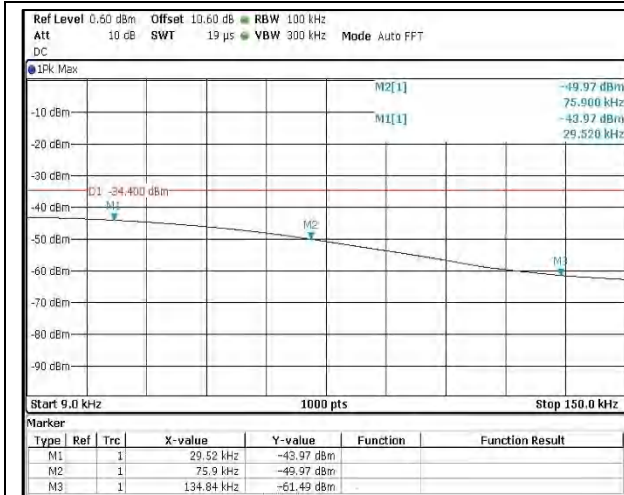
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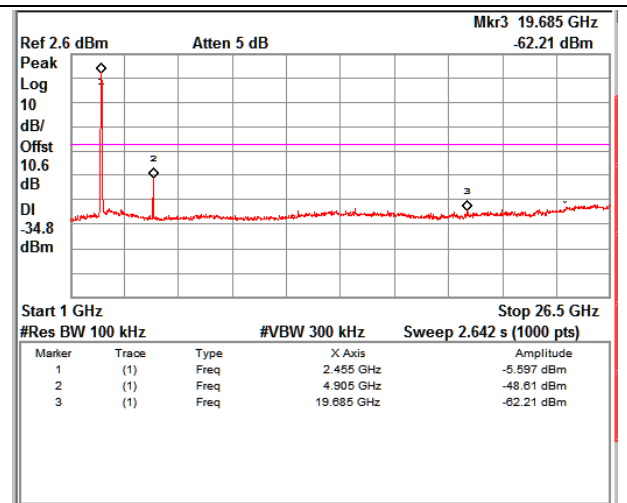
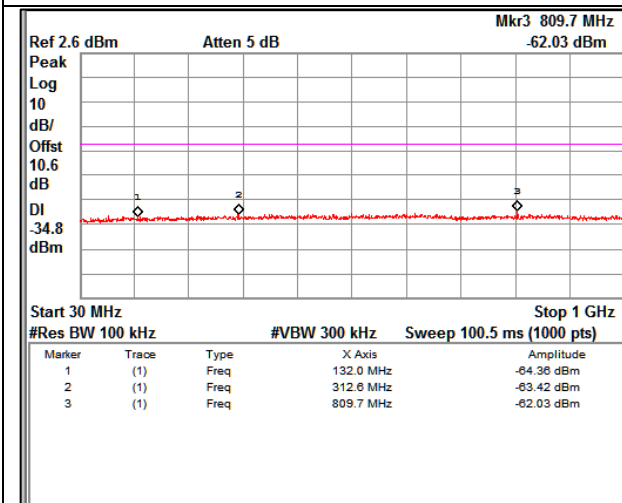
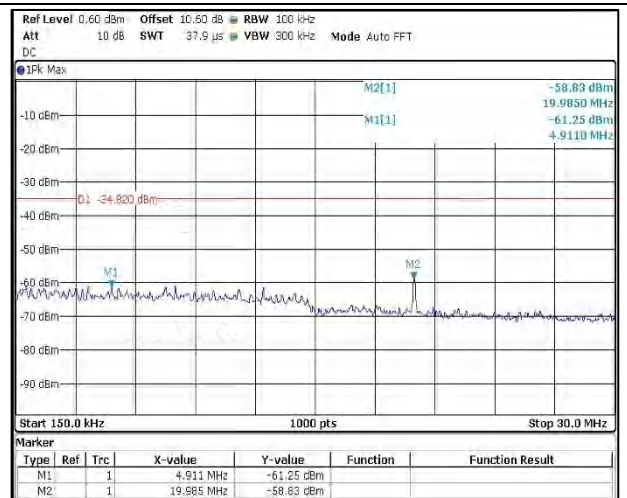
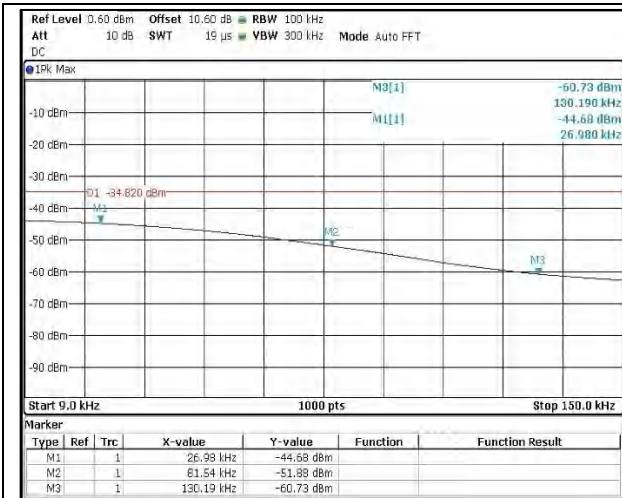
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Data rate: MCS4

Channel Frequency 2422MHz

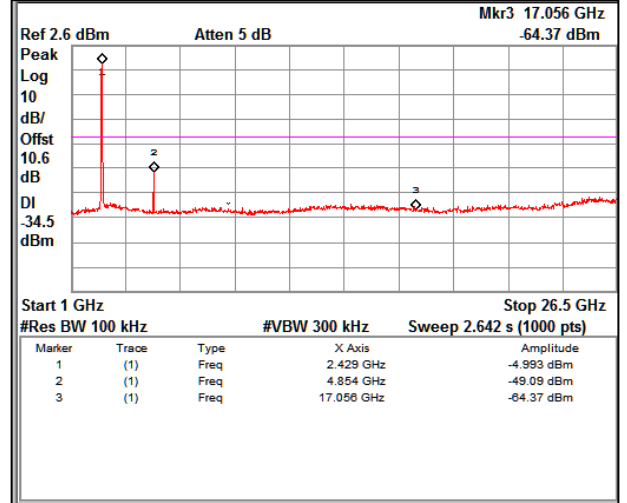
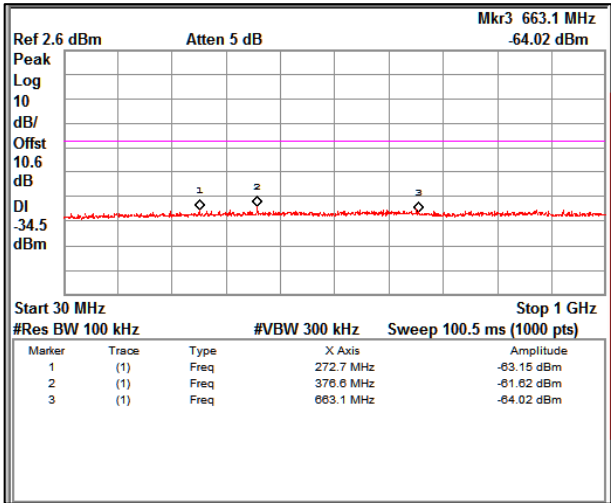
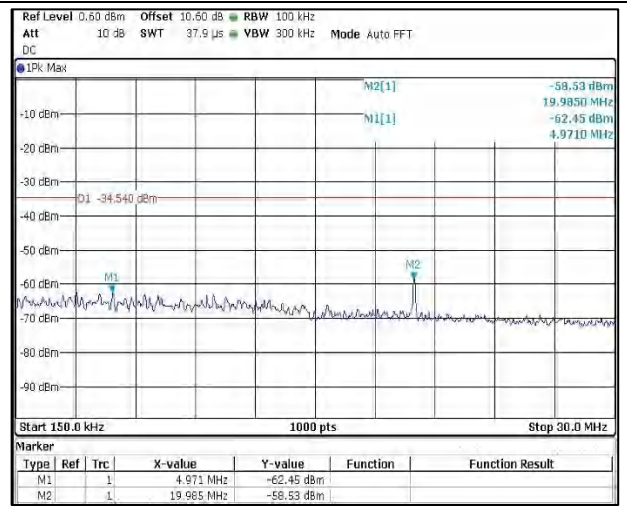
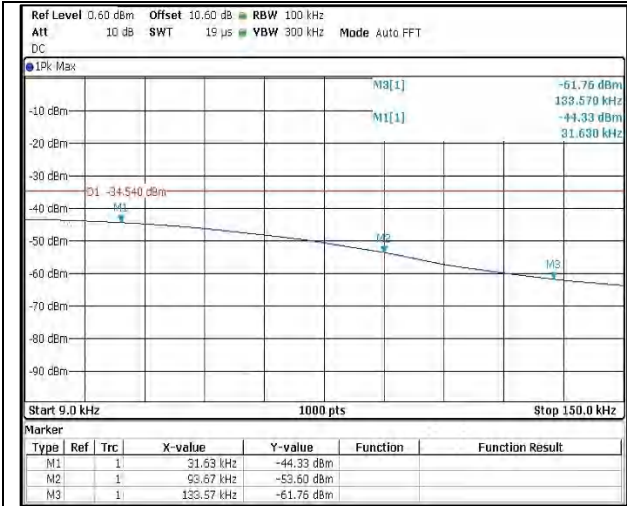


Channel Frequency 2452MHz

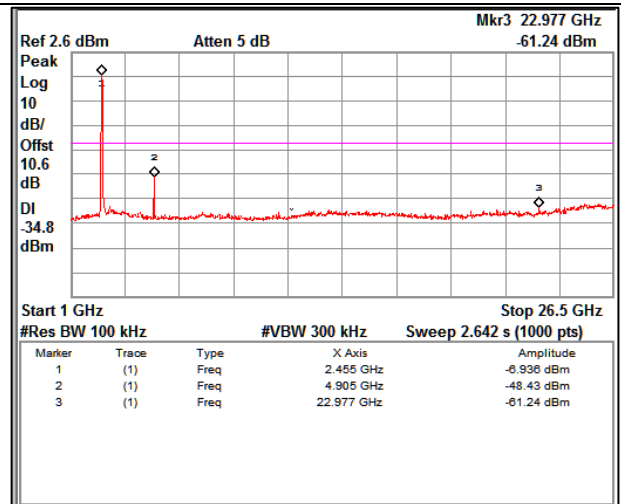
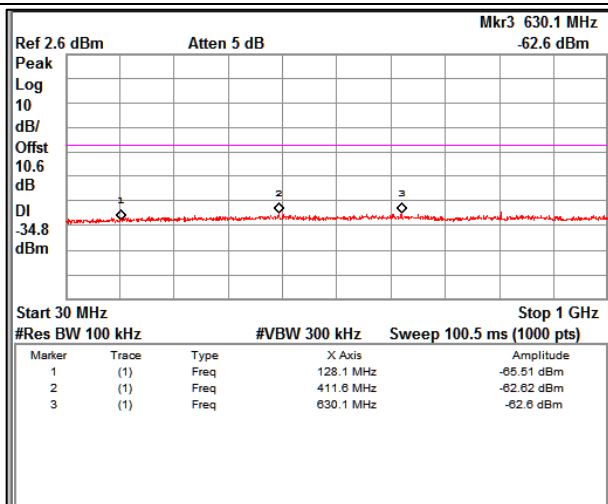
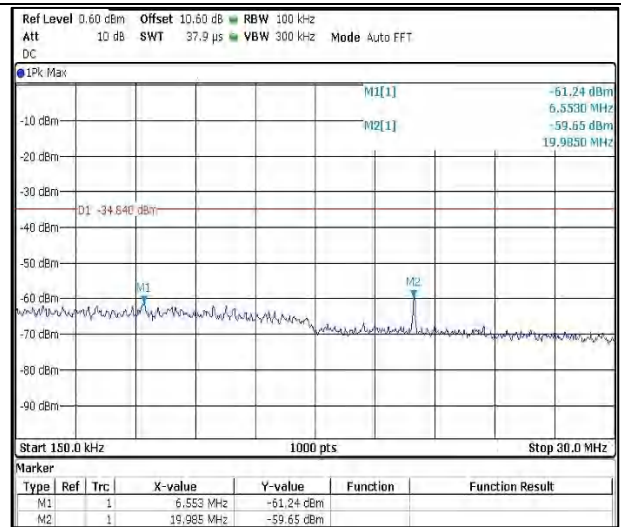
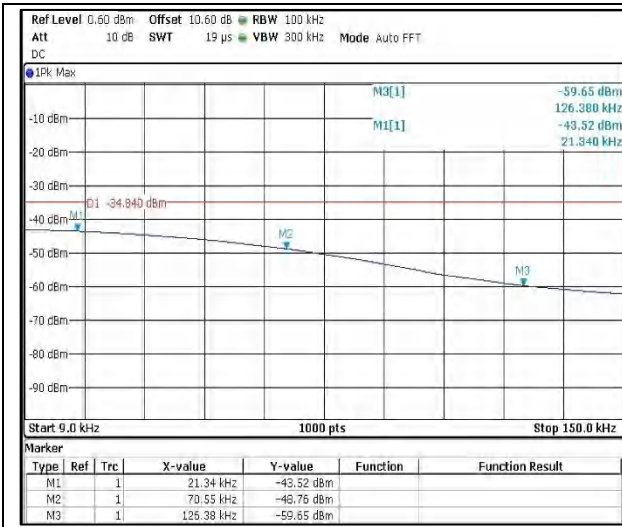


Data rate: MCS7

Channel Frequency 2422MHz



Channel Frequency 2452MHz



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## 7.5 Spurious Radiated Emissions & Restricted Bands of Operation

<b>Result</b>	<b>Pass</b>
Test Specification	FCC part 15 Subpart C 15.247 (d) / (15.209 & 15.205) RSS-Gen Issue 5, Section 8.9 /8.10
Test Method	ANSI C63.10
Measurement Location	Semi Anechoic Chamber 30MHz - 1 GHz Fully Anechoic Chamber 1 GHz - 40GHz
Measurement Bandwidth	100 kHz for frequency range < 1GHz 1 MHz for Frequency range >1GHz
Detector	Refer remarks below
Measuring Distance	3 m
Requirement	As per the limits mentioned in the below table
Test setup	Refer Clause 7 TEST METHODOLOGY

**Table 7: Transmitter limits for Radiated emission**

<b>Frequency (MHz)</b>	<b>Field strength (μV/m)</b>	<b>Field strength (dBμV/m)</b>	<b>Distance of Measurement (m)</b>
0.009 – 0.490	2400/F(kHz)	48.50 – 13.80	300*
0.490 – 1.705	24000/F(kHz)	33.80 – 23.00	30*
1.705 -30	30	29.54	30*
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.00	3

Remark: \* The limit shows in the table above of frequency range 0.009 – 0.490, 0.490 – 1.705 MHz and 1.705-30MHz is at 300 meter, 30 meter and 30 meter range respectively, which corresponds to 128.51 – 93.80, 73.80 – 62.96 and 69.54.00 dBμV/m at 3m range by extrapolation calculation and the measurement of loop antenna.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

### Test Conditions:

Temperature (Norm) = + 22.5 °C

Voltage = 3.6V Li-Ion battery

Relative humidity = 62 %



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**Test results:**

**Note:** All the losses are included during measurement and final values are mentioned in the test report. Refer Clause 7 TEST METHODOLOGY for more details

**Test results for frequency range 9kHz – 30MHz**

No emissions found in frequency range 9 kHz to 30 MHz, and measured levels are below 20dB from the limit line, hence not reported

**Vscan Air SL With Battery Mode: Cardiac**

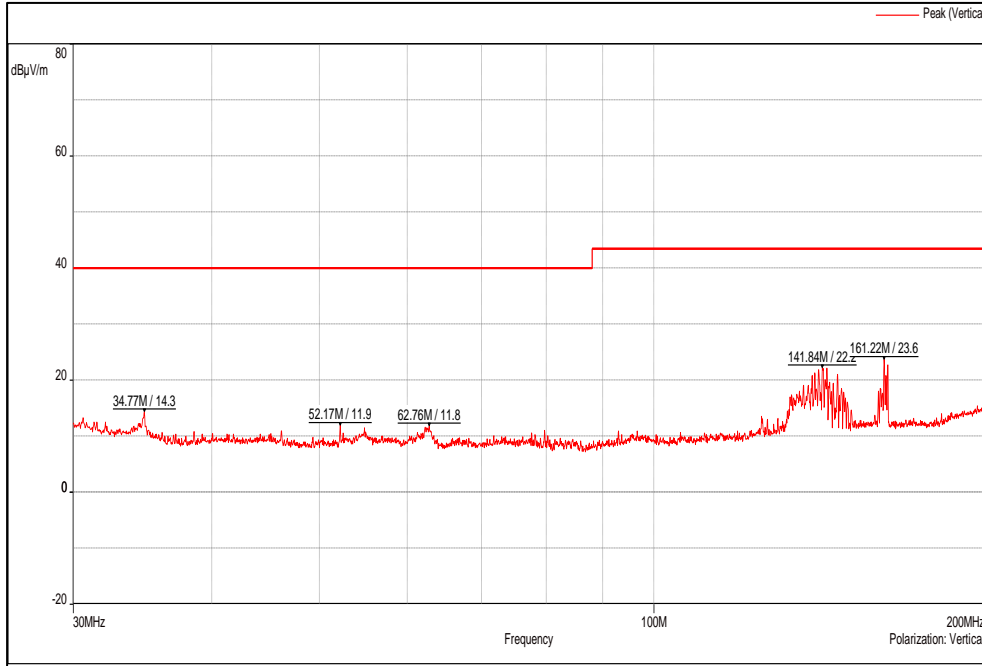
**Test results for frequency range 30MHz – 1GHz**

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	34.77	14.28	40.00	-25.72
	52.17	11.91	40.00	-28.09
	62.76	11.77	40.00	-28.23
	141.84	22.20	43.50	-21.30
	161.22	23.63	43.50	-19.87
	288.11	17.29	46.00	-28.71
	364.31	18.47	46.00	-27.53
	495.20	21.82	46.00	-24.18
	709.88	26.05	46.00	-19.95
Horizontal	30.63	13.39	40.00	-26.61
	52.98	9.54	40.00	-30.46
	91.77	9.69	43.50	-33.81
	142.05	12.30	43.50	-31.20
	299.99	17.03	46.00	-28.97
	418.91	19.91	46.00	-26.09
	549.50	23.69	46.00	-22.31
	713.03	24.88	46.00	-21.12

**Prüfbericht - Nr.:**  
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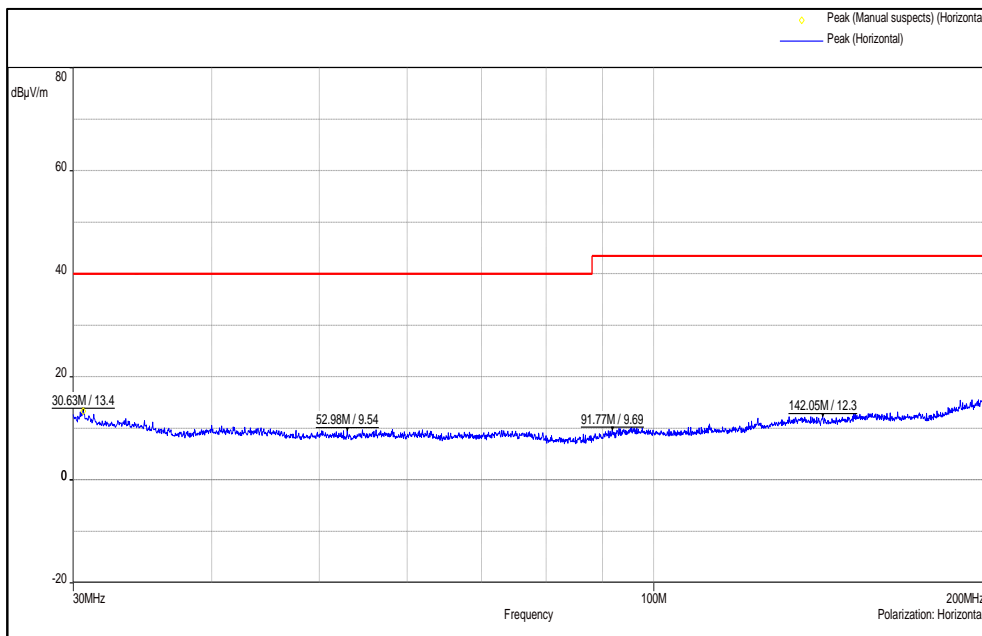
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Channel Frequency 30MHz – 200MHz

Polarization Vertical



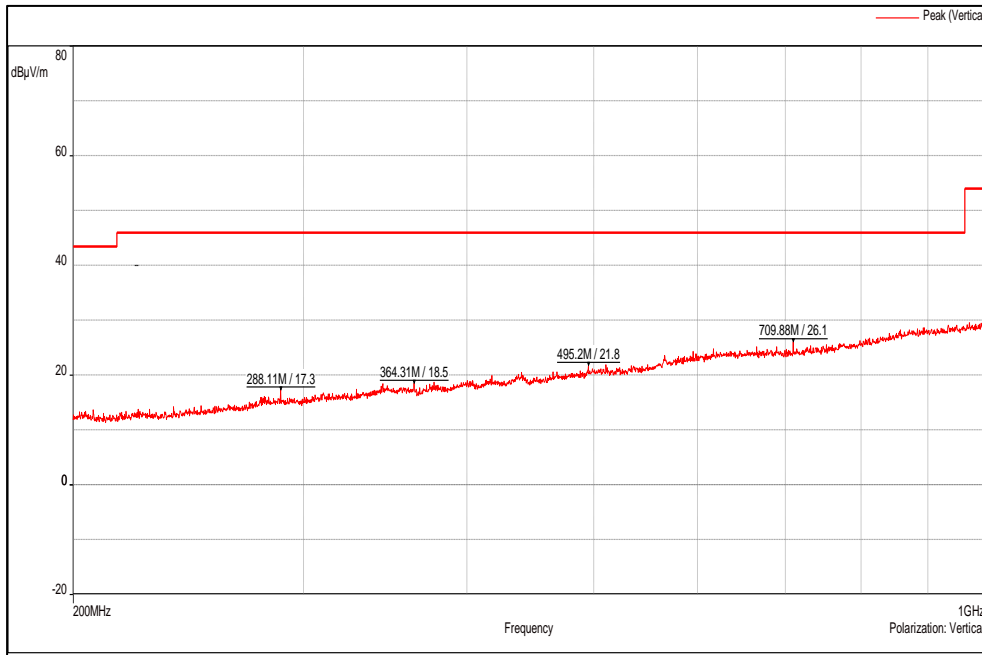
Channel Frequency 30MHz – 200MHz

Polarization Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

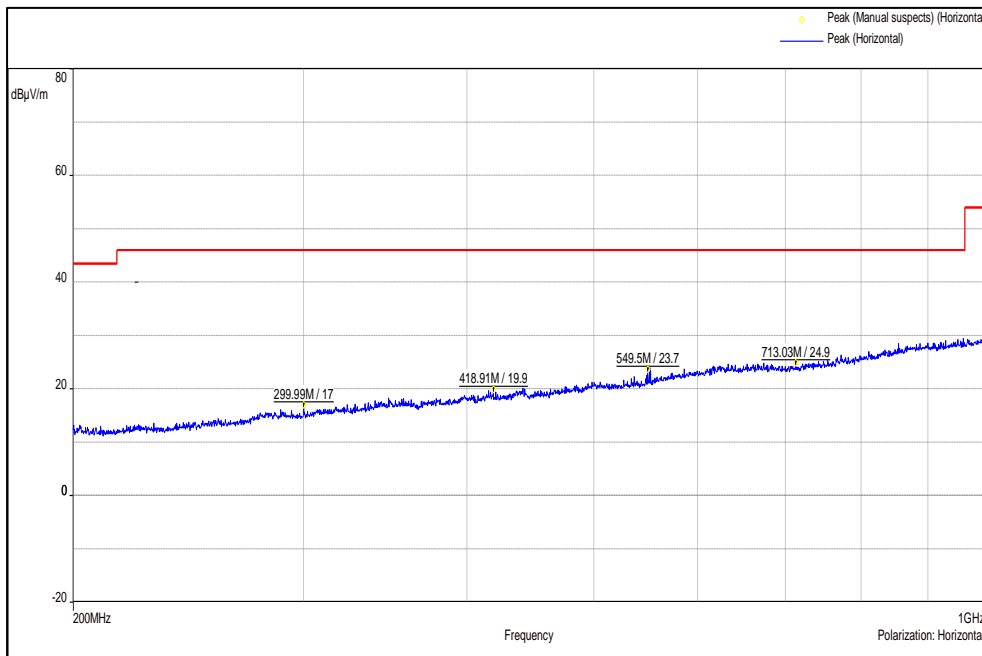
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Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

Polarization Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

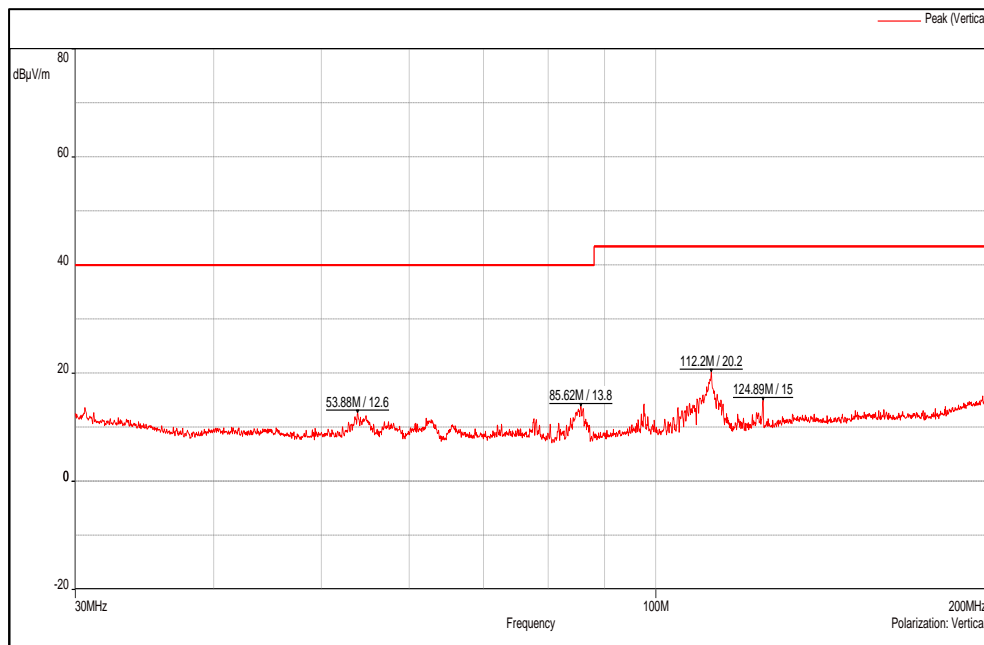
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Vscan Air SL With Battery Mode: Vascular

Test results for frequency range 30MHz – 1GHz

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
Vertical	53.88	12.64	40.00	-27.36
	85.62	13.80	40.00	-26.20
	112.20	20.15	43.50	-23.35
	124.89	14.95	43.50	-28.55
	268.13	15.24	46.00	-30.76
	339.02	17.84	46.00	-28.16
	401.99	19.49	46.00	-26.51
	868.79	28.99	46.00	-17.01
Horizontal	34.32	11.91	40.00	-28.09
	56.49	10.19	40.00	-29.81
	95.49	10.47	43.50	-33.03
	194.34	15.32	43.50	-28.18
	343.13	18.11	46.00	-27.89
	439.97	20.26	46.00	-25.74
	626.81	24.81	46.00	-21.19
	853.55	28.34	46.00	-17.66



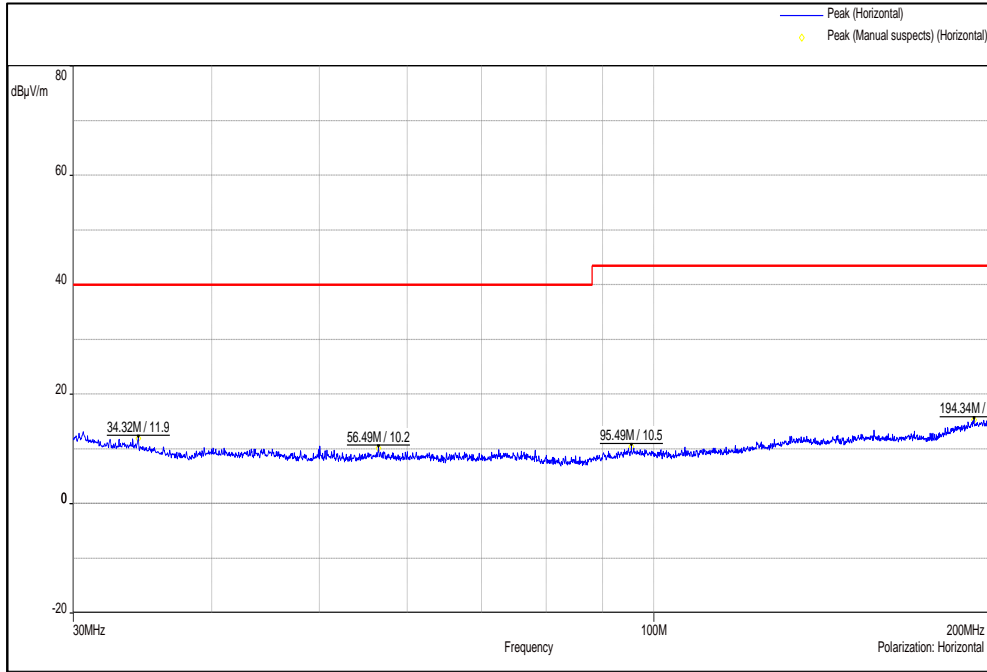
Channel Frequency 30MHz – 200MHz

Polarization Vertical

**Prüfbericht - Nr.:**  
Test Report No.:

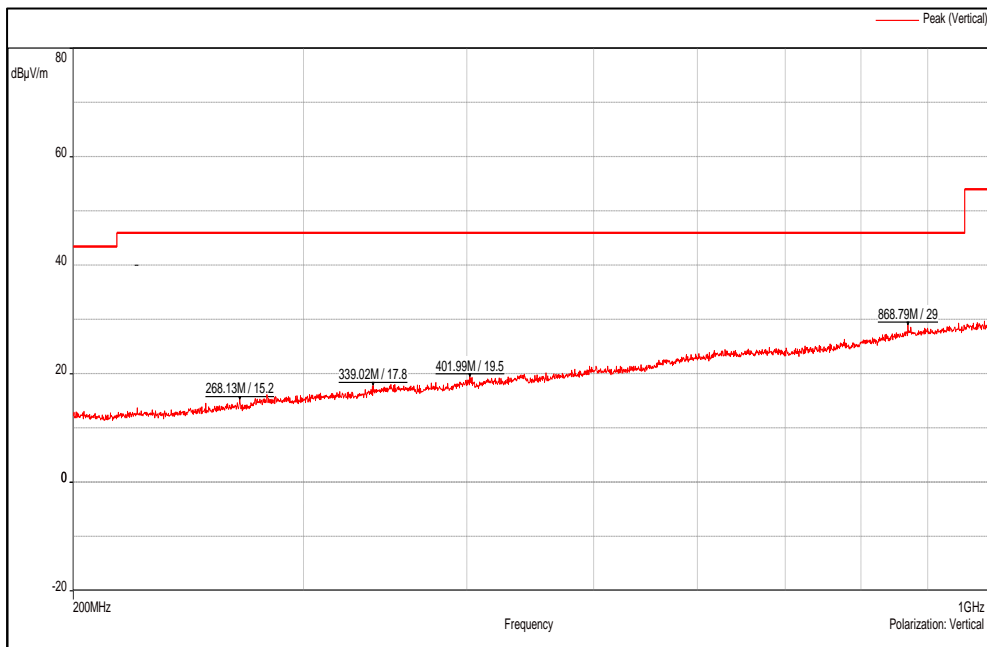
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Channel Frequency 30MHz – 200MHz

Polarization Horizontal



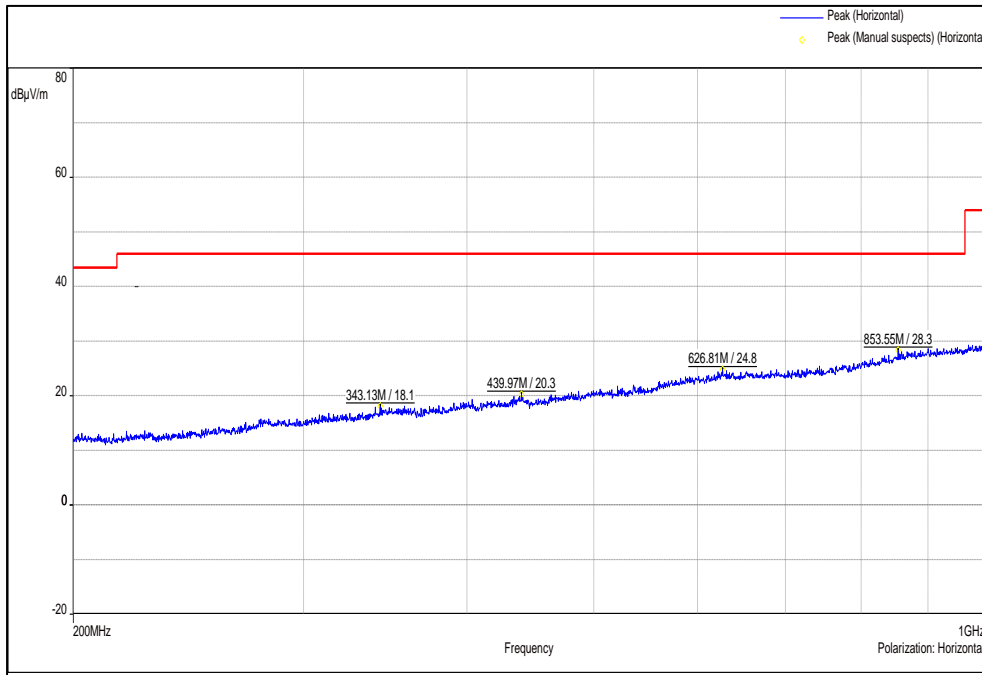
Channel Frequency 200MHz – 1GHz

Polarization Vertical

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Channel Frequency 200MHz – 1GHz

Polarization Horizontal

**Vscan Air SL With Charging Mode: XP Adapter + Vscan Air Charger**

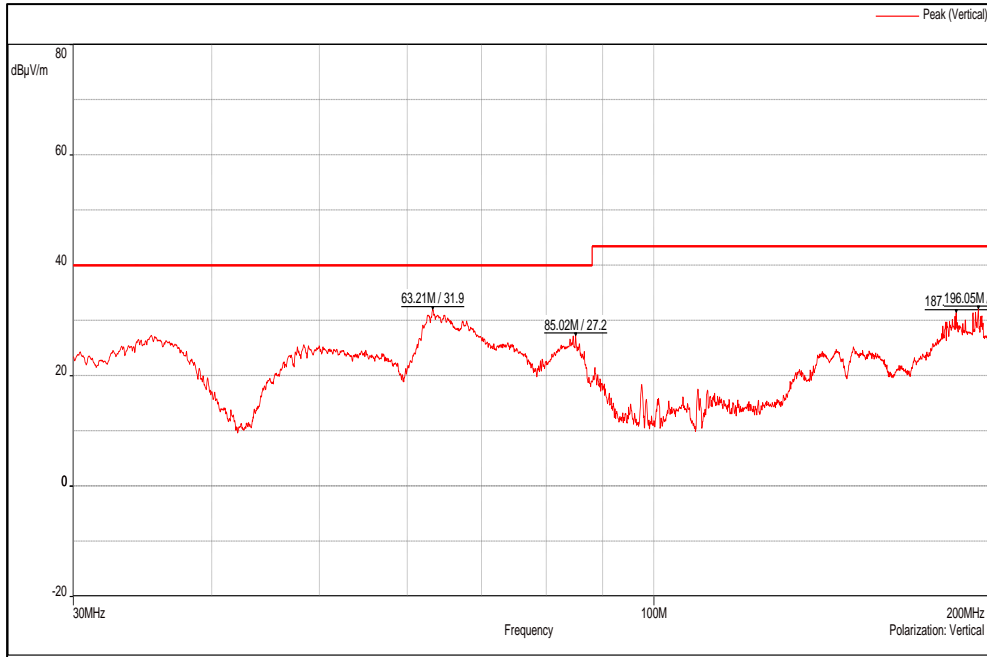
**Test results for frequency range 30MHz – 1GHz**

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	63.21	31.95	40.00	-8.05
	85.02	27.16	40.00	-12.84
	187.20	31.39	43.50	-12.11
	208.01	29.96	43.50	-13.54
	256.13	26.43	46.00	-19.57
	546.50	29.41	46.00	-16.59
	662.69	33.67	46.00	-12.33
	680.27	32.26	46.00	-13.74
Horizontal	63.15	22.70	40.00	-17.30
	191.64	34.55	43.50	-8.95
	201.92	28.78	43.50	-14.72
	258.62	27.40	46.00	-18.60
	400.58	25.55	46.00	-20.45
	687.20	28.95	46.00	-17.05
	930.35	31.91	46.00	-14.09

**Prüfbericht - Nr.:**  
Test Report No.:

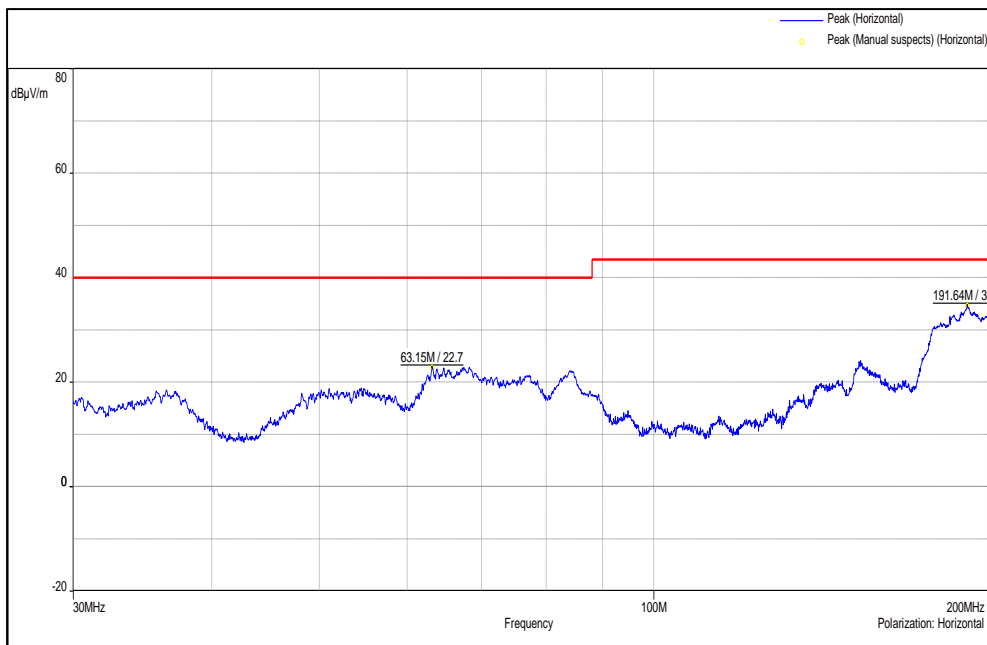
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Channel Frequency 30MHz – 200MHz

Polarization Vertical



Channel Frequency 30MHz – 200MHz

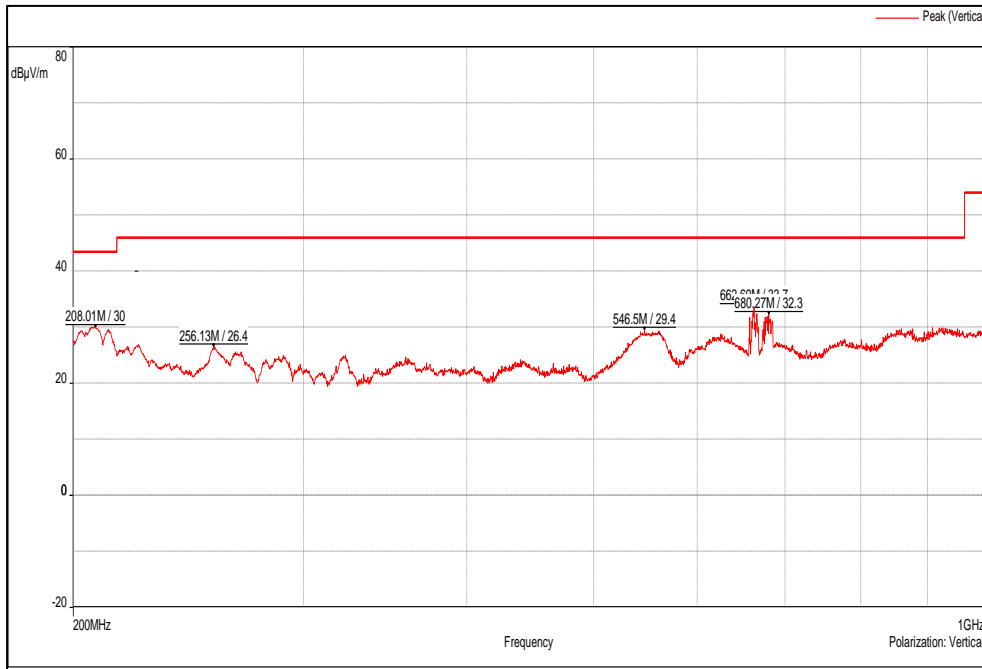
Polarization Horizontal



**Prüfbericht - Nr.:**  
Test Report No.:

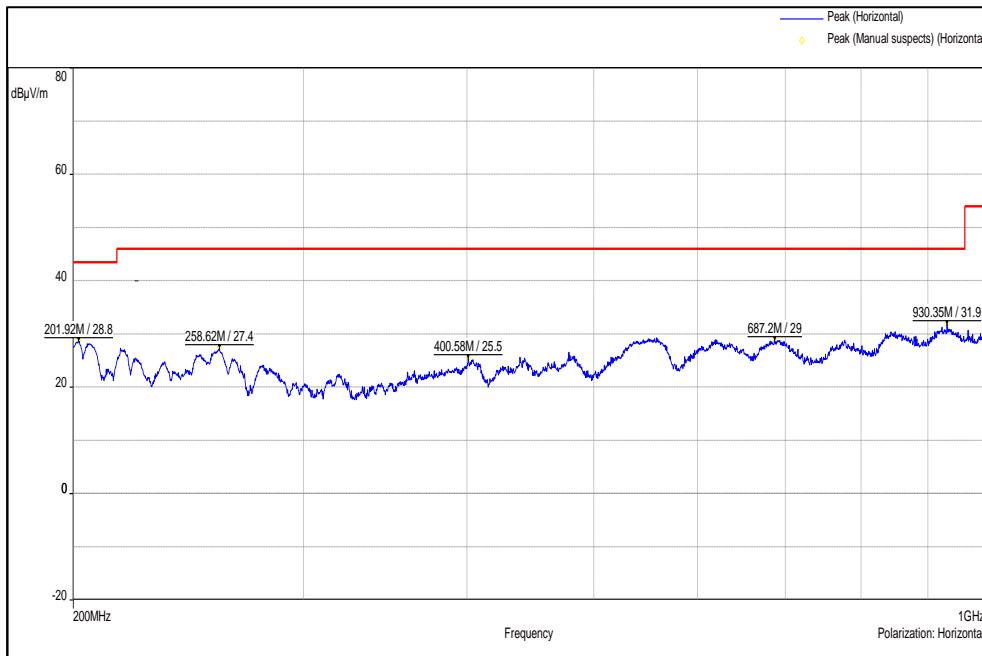
**IN22T1OT 001**  
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Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

Polarization Horizontal

**Prüfbericht - Nr.:**

Test Report No.:

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**Vscan Air SL With Charging Mode: GlobTek Power Adapter + Vscan Air Charger**

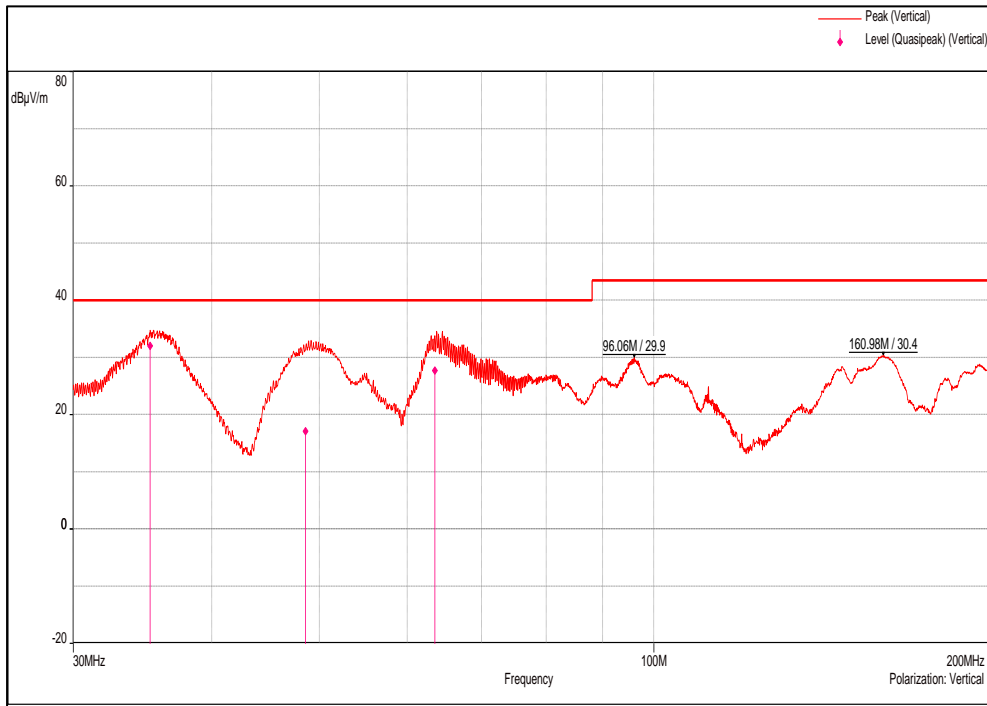
**Test results for frequency range 30MHz – 1GHz**

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	35.19	32.07	40.00	-7.93
	48.56	17.06	40.00	-22.94
	63.49	27.71	40.00	-12.29
	96.06	29.90	43.50	-13.60
	160.98	30.40	43.50	-13.10
	202.37	27.76	46.00	-18.24
	256.25	24.08	46.00	-21.92
	558.71	26.17	46.00	-19.83
	619.85	27.46	46.00	-18.54
771.47	27.76	46.00	-18.24	
Horizontal	95.64	31.70	43.50	-11.80
	196.92	34.98	43.50	-8.52
	202.49	28.53	43.50	-14.97
	253.43	30.16	46.00	-15.84
	548.00	25.87	46.00	-20.13
	630.11	28.11	46.00	-17.89

**Prüfbericht - Nr.:**  
Test Report No.:

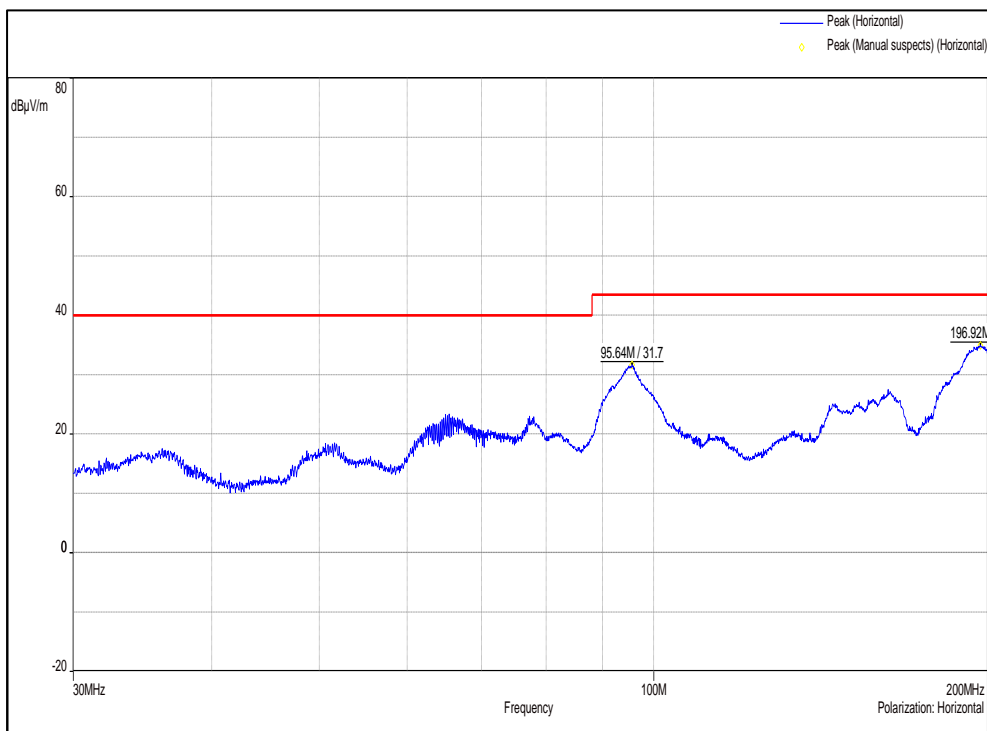
**IN22T1OT 001**  
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Channel Frequency 30MHz – 200MHz

Polarization Vertical



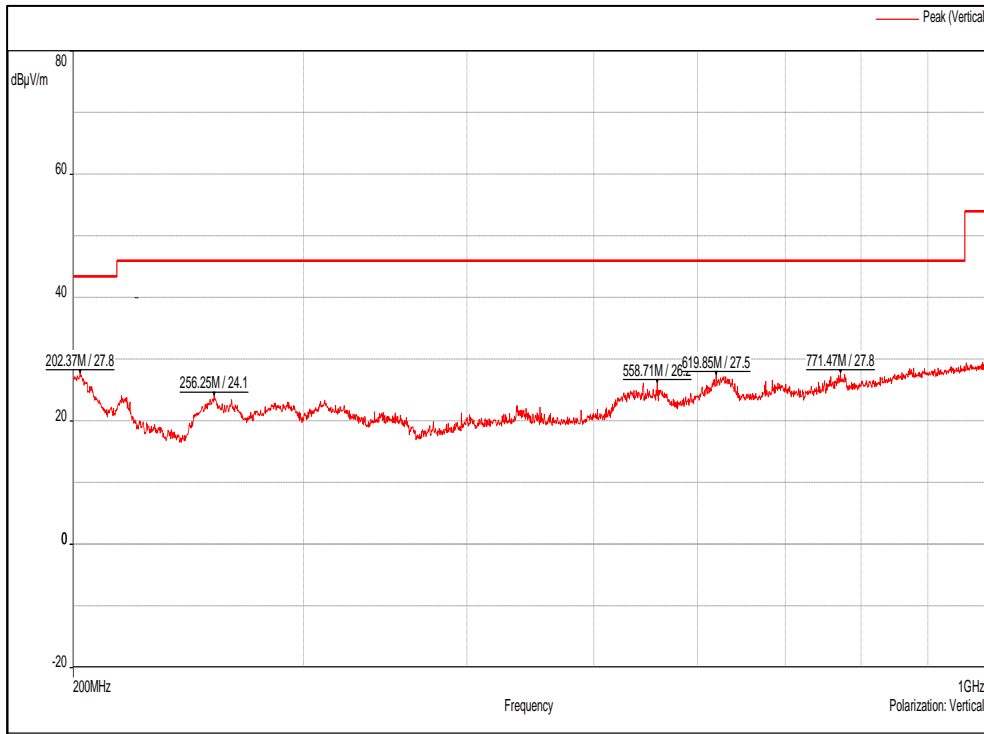
Channel Frequency 30MHz – 200MHz

Polarization Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

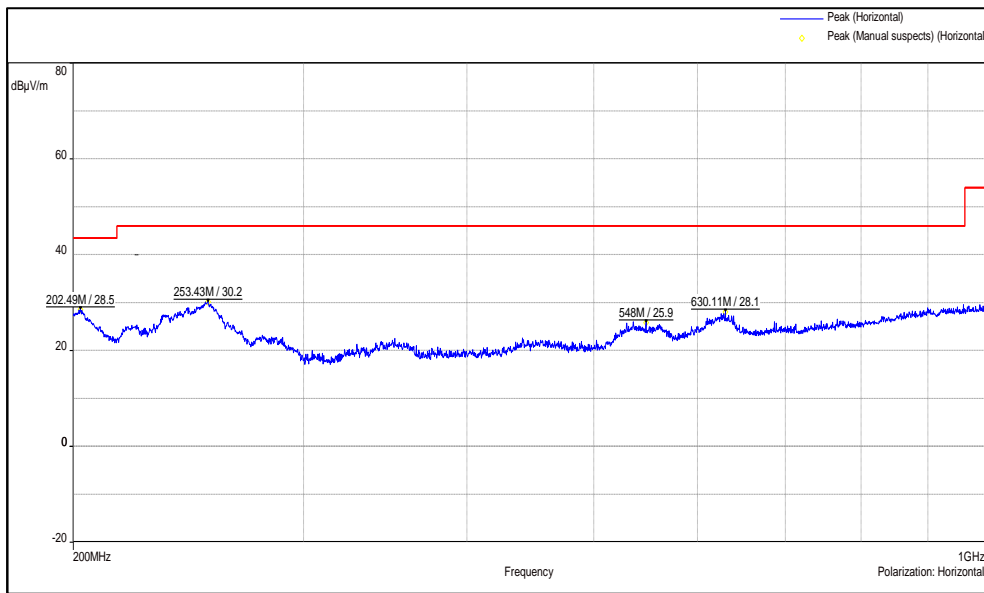
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

Polarization Horizontal

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Vscan Air SL With Charging Mode: XP Power Adapter + Anker Charger Pad

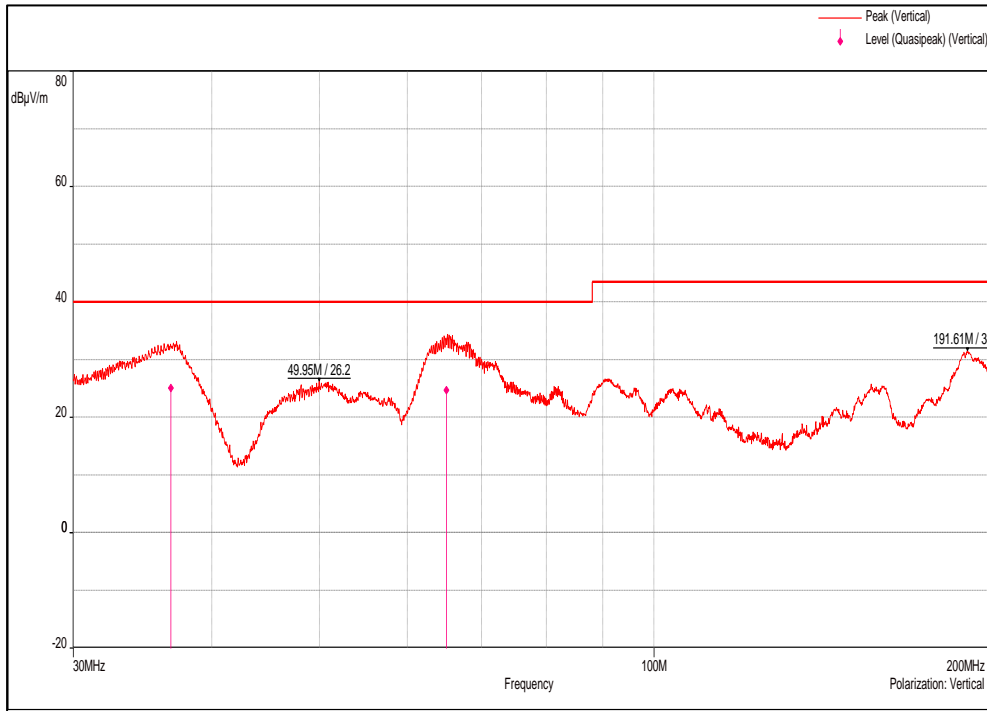
Test results for frequency range 30MHz – 1GHz

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	36.714(Qp)	25.12	40.00	-14.88
	65.016(Qp)	24.68	40.00	-15.32
	49.95	26.17	40.00	-13.83
	191.61	31.46	43.50	-12.04
	202.52	31.94	43.50	-11.56
	324.49(Qp)	15.14	46.00	-30.86
	359.83(Qp)	13.42	46.00	-32.58
Horizontal	39.42	28.86	40.00	-11.14
	61.60(Qp)	6.04	40.00	-33.96
	66.69	28.44	40.00	-11.56
	156.81	24.31	43.50	-19.19
	192(Qp)	32.58	43.50	-10.92
	203.81	30.89	43.50	-12.61
	290.03	26.66	46.00	-19.34
	463.64	26.54	46.00	-19.46
	611.15	26.86	46.00	-19.14
808.82	28.50	46.00	-17.50	

**Prüfbericht - Nr.:**  
Test Report No.:

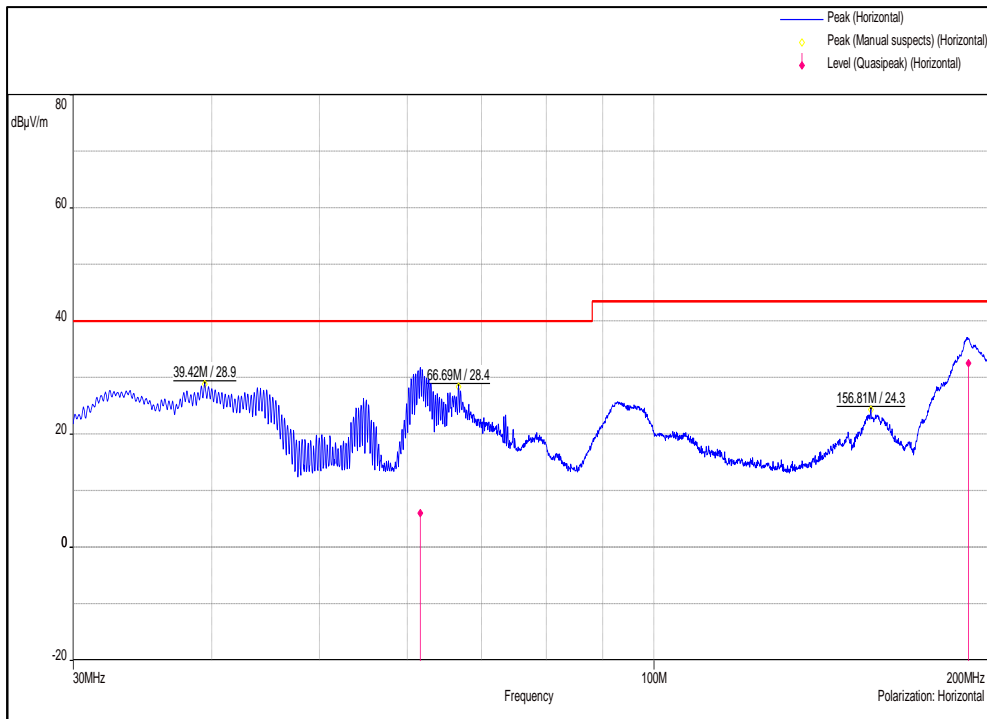
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 30MHz – 200MHz

Polarization Vertical



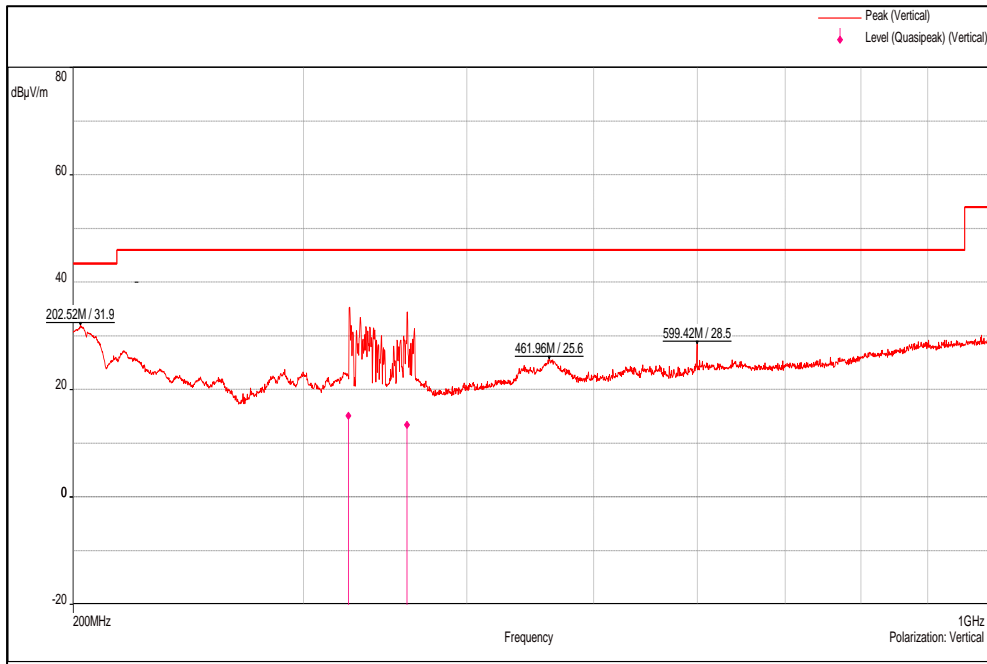
Channel Frequency 30MHz – 200MHz

Polarization Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

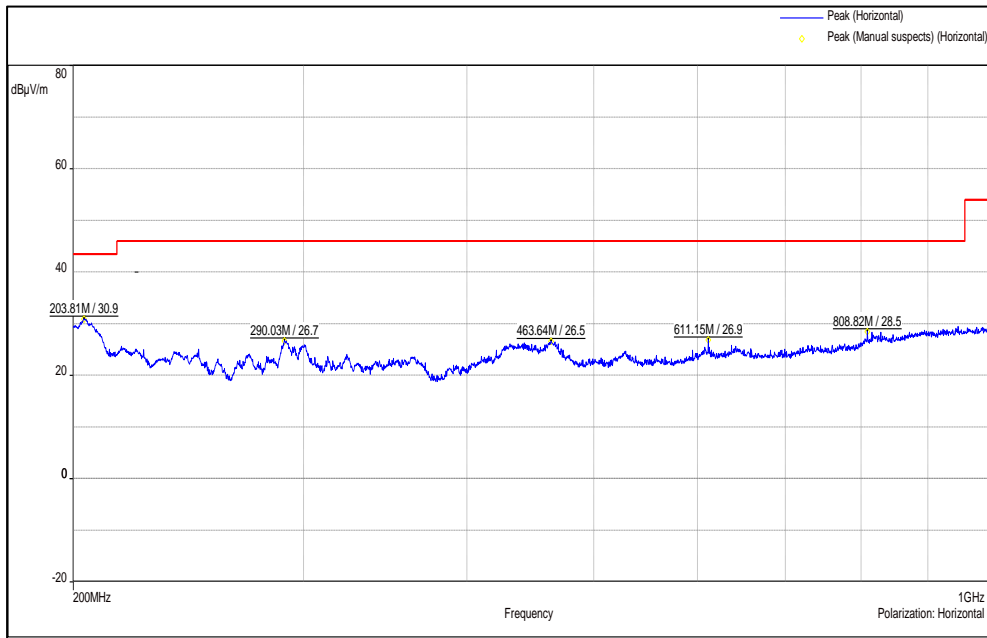
**IN22T1OT 001**  
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Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

Polarization Horizontal



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**Vscan Air SL With Charging Mode: GlobTek Power Adapter + Anker Charger Pad**

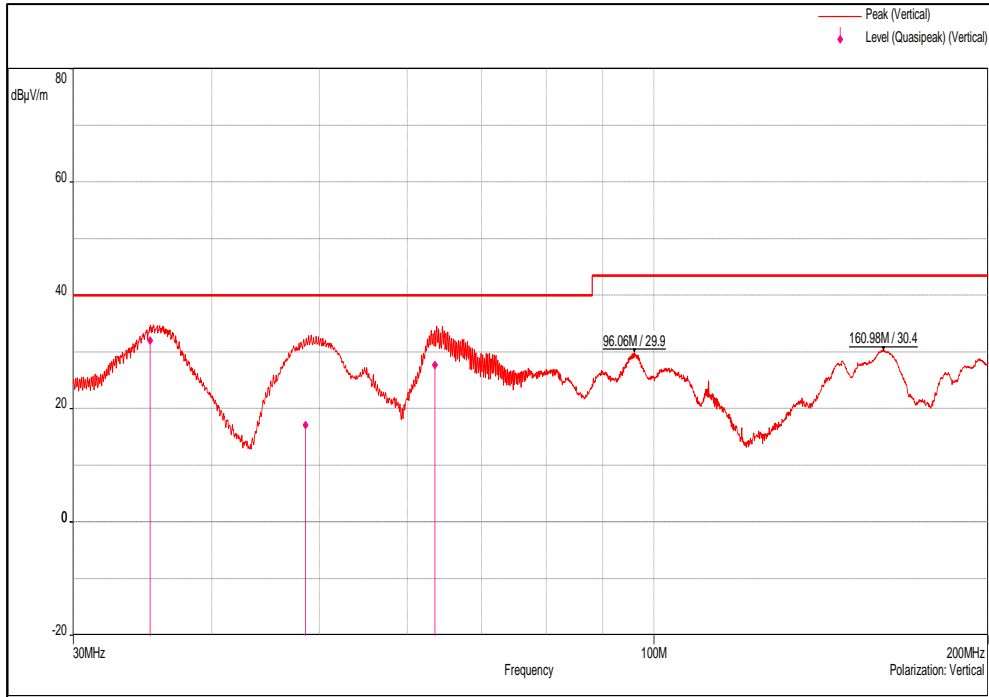
**Test results for frequency range 30MHz – 1GHz**

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	35.196(Qp)	32.07	40.00	-7.93
	48.564(Qp)	17.06	40.00	-22.94
	63.498(Qp)	27.71	40.00	-12.29
	96.06	29.93	43.50	-13.57
	160.98	30.38	43.50	-13.12
	210.2	31.69	43.50	-11.81
	413.3	28.32	46.00	-17.68
	483.26	27.11	46.00	-18.89
	765.65	33.27	46.00	-12.73
Horizontal	800.39	32.00	46.00	-14.00
	95.64	31.69	43.50	-11.81
	196.92	34.98	43.50	-8.52
	205.76	32.77	43.50	-10.73
	246.74	28.73	46.00	-17.27
	279.95	28.29	46.00	-17.71
	494.87	25.77	46.00	-20.23

**Prüfbericht - Nr.:**  
Test Report No.:

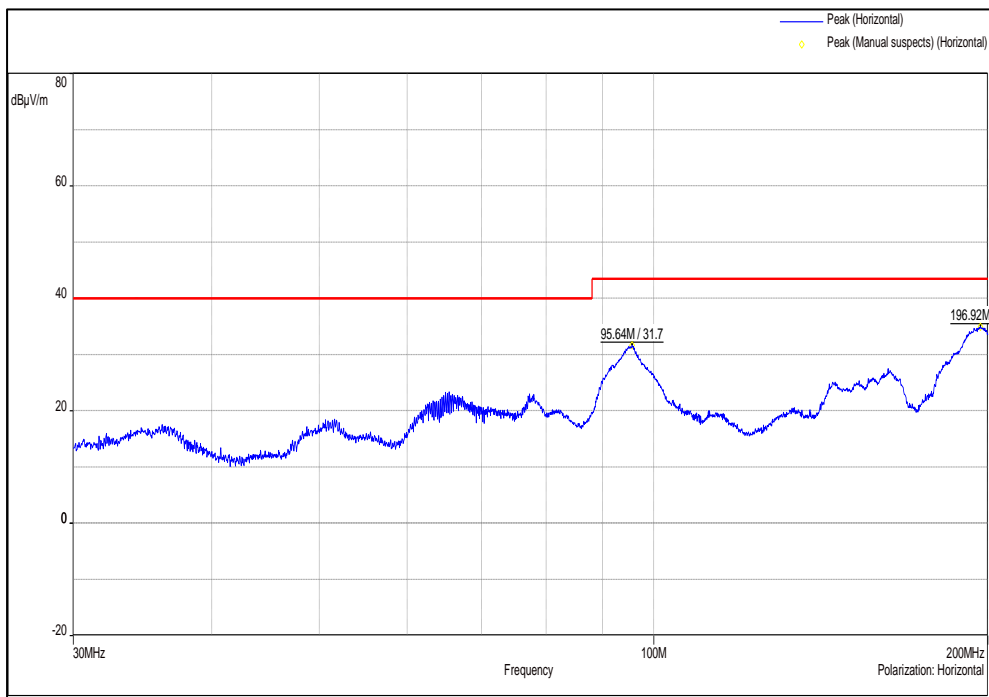
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 30MHz – 200MHz

Polarization Vertical



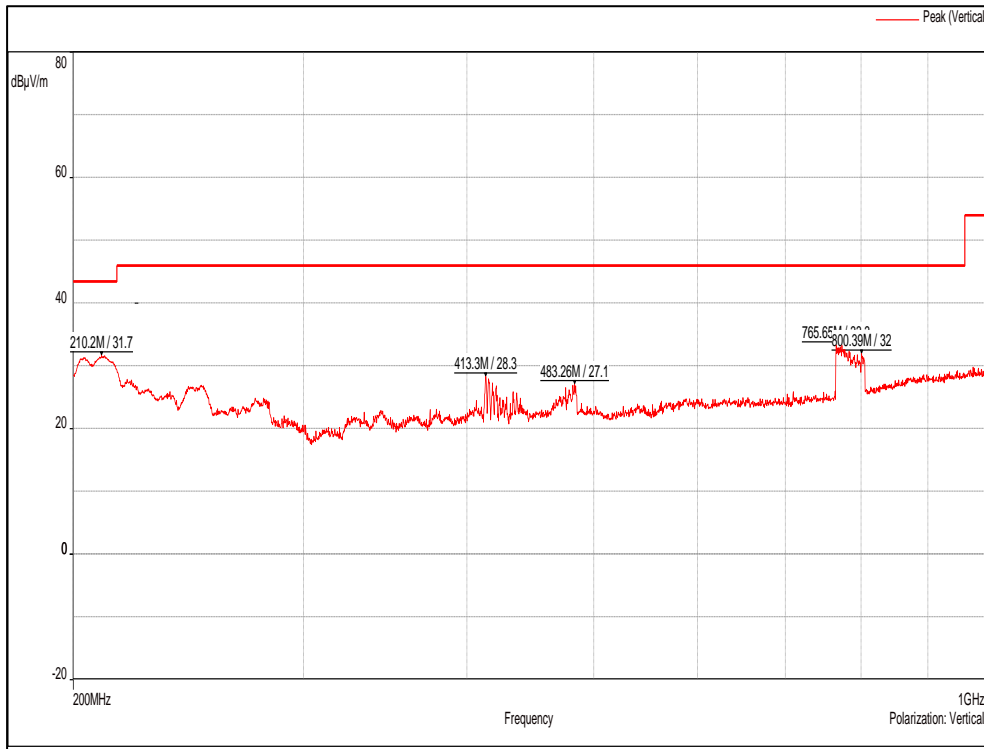
Channel Frequency 30MHz – 200MHz

Polarization Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

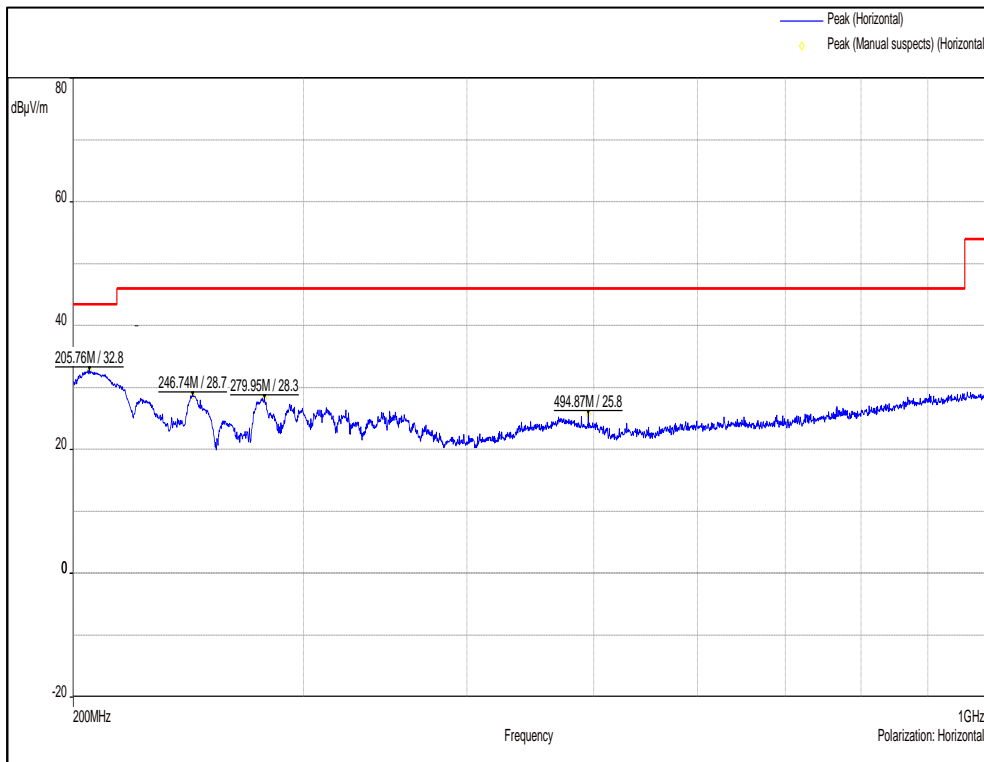
**IN22T1OT 001**  
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Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

Polarization Horizontal

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Test results for the frequencies in the range 1 GHz to 26.5 GHz

Modulation: 802.11b  
Data rate: 1Mbps

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	2412(Pk)	Vertical	94.96	-	-
	2412(Av)		92.52	-	-
	2390(Pk)		41.90	74*	-32.10
	2390(Av)		29.34	54*	-24.66
	4824(Pk)		44.10	74	-29.90
	4824(Av)		35.85	54	-18.15
	7236(Pk)		46.58	74	-27.42
	7236(Av)		34.66	54	-19.34
	2412(Pk)	Horizontal	100.58	-	-
	2412(Av)		98.23	-	-
	2390(Pk)		47.15	74*	-26.85
	2390(Av)		34.67	54*	-19.33
	4824(Pk)		43.61	74	-30.39
	4824(Av)		32.73	54	-21.27
	7236(Pk)		47.57	74	-26.43
	7236(Av)		34.70	54	-19.30
2437	2437(Pk)	Vertical	95.08	-	-
	2437(Av)		92.60	-	-
	4874(Pk)		45.71	74	-28.29
	4874(Av)		40.34	54	-13.66
	7311(Pk)		47.30	74	-26.70
	7311(Av)	34.83	54	-19.17	
	2437(Pk)	Horizontal	101.61	-	-
	2437(Av)		99.18	-	-
	4874(Pk)		41.80	74	-32.20
	4874(Av)		30.27	54	-23.73
7311(Pk)	47.42		74	-26.58	
7311(Av)	34.70	54	-19.30		
2462	2462(Pk)	Vertical	96.10	-	-
	2462(Av)		93.61	-	-
	2483.5(Pk)		43.67	74*	-30.33
	2483.5(Av)		32.52	54*	-21.48
	4924(Pk)		44.26	74	-29.74
	4924(Av)		37.53	54	-16.47
	7386(Pk)		45.87	74	-28.13
	7386(Av)		34.16	54	-19.84
	2462(Pk)	Horizontal	101.84	-	-
	2462(Av)		99.34	-	-
	2483.5(Pk)		48.26	74*	-25.74
	2483.5(Av)		37.61	54*	-16.39
	4924(Pk)		44.71	74	-29.29
	4924(Av)		37.75	54	-16.25
7386(Pk)	46.59	74	-27.41		
7386(Av)	34.31	54	-19.69		

\* : Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector

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**Modulation: 802.11b**  
**Data rate: 11Mbps**

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	2412(Pk)	Vertical	96.81	-	-
	2412(Av)		86.69	-	-
	2390(Pk)		54.27	74*	-19.73
	2390(Av)		33.45	54*	-20.55
	4824(Pk)		43.50	74	-30.50
	4824(Av)		29.10	54	-24.90
	7236(Pk)		46.91	74	-27.09
	7236(Av)		34.35	54	-19.65
	2412(Pk)	Horizontal	102.20	-	-
	2412(Av)		92.35	-	-
	2390(Pk)		60.36	74*	-13.64
	2390(Av)		39.46	54*	-14.54
	4824(Pk)		42.44	74	-31.56
	4824(Av)		31.22	54	-22.78
	7236(Pk)		46.54	74	-27.46
	7236(Av)		34.35	54	-19.65
2437	2437(Pk)	Vertical	101.69	-	-
	2437(Av)		90.97	-	-
	4874(Pk)		45.46	74	-28.54
	4874(Av)		39.09	54	-14.91
	7311(Pk)		46.70	74	-27.30
	7311(Av)		34.48	54	-19.52
	2437(Pk)	Horizontal	107.24	-	-
	2437(Av)		97.39	-	-
	4874(Pk)		42.21	74	-31.79
	4874(Av)		30.76	54	-23.24
	7311(Pk)		46.34	74	-27.66
	7311(Av)		34.38	54	-19.62
2462	2462(Pk)	Vertical	97.07	-	-
	2462(Av)		87.05	-	-
	2483.5(Pk)		57.92	74*	-16.08
	2483.5(Av)		34.36	54*	-19.64
	4924(Pk)		46.30	74	-27.70
	4924(Av)		41.31	54	-12.69
	7386(Pk)		46.29	74	-27.71
	7386(Av)		34.04	54	-19.96
	2462(Pk)	Horizontal	103.07	-	-
	2462(Av)		92.80	-	-
	2483.5(Pk)		63.33	74*	-10.67
	2483.5(Av)		39.17	54*	-14.83
	4924(Pk)		43.17	74	-30.83
	4924(Av)		35.31	54	-18.69
	7386(Pk)		45.47	74	-28.53
	7386(Av)		34.05	54	-19.95

\* : Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector

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**Modulation: 802.11g**  
**Data rate: 6Mbps**

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	2412(Pk)	Vertical	100.07	-	-
	2412(Av)		90.15	-	-
	2390(Pk)		55.10	74.00*	-18.90
	2390(Av)		36.05	54.00*	-17.95
	4824(Pk)		49.32	74.00	-24.68
	4824(Av)		36.12	54.00	-17.88
	7236(Pk)		49.38	74.00	-24.62
	7236(Av)		36.27	54.00	-17.73
	2412(Pk)	Horizontal	106.42	-	-
	2412(Av)		96.36	-	-
	2390(Pk)		68.25	74.00*	-5.75
	2390(Av)		47.78	54.00*	-6.22
	4824(Pk)		55.49	74.00	-18.51
	4824(Av)		42.55	54.00	-11.45
	7236(Pk)		50.52	74.00	-23.48
	7236(Av)		36.95	54.00	-17.05
2437	2437(Pk)	Vertical	97.41	-	-
	2437(Av)		88.21	-	-
	4874(Pk)		48.59	74.00	-25.41
	4874(Av)		34.22	54.00	-19.78
	7311(Pk)		46.86	74.00	-27.14
	7311(Av)	35.54	54.00	-18.46	
	2437(Pk)	Horizontal	106.23	-	-
	2437(Av)		96.16	-	-
	4874(Pk)		44.09	74.00	-29.91
	4874(Av)		31.55	54.00	-22.45
7311(Pk)	46.78		74.00	-27.22	
7311(Av)	34.87	54.00	-19.13		
2462	2462(Pk)	Vertical	99.53	-	-
	2462(Av)		90.10	-	-
	2483.5(Pk)		60.60	74.00*	-13.40
	2483.5(Av)		40.12	54.00*	-13.88
	4924(Pk)		48.75	74.00	-25.25
	4924(Av)		34.53	54.00	-19.47
	7386(Pk)		47.92	74.00	-26.08
	7386(Av)		35.75	54.00	-18.25
	2462(Pk)	Horizontal	107.20	-	-
	2462(Av)		97.00	-	-
	2483.5(Pk)		69.74	74.00*	-4.26
	2483.5(Av)		46.57	54.00*	-7.43
	4924(Pk)		53.28	74.00	-20.72
	4924(Av)		40.02	54.00	-13.98
	7386(Pk)		49.10	74.00	-24.90
	7386(Av)		36.44	54.00	-17.56

\* : Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector

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**Modulation: 802.11g**  
**Data Rate: 24Mbps**

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	2412(Pk)	Vertical	97.60	-	-
	2412(Av)		85.48	-	-
	2390(Pk)		55.57	74*	-18.43
	2390(Av)		32.05	54*	-21.95
	4824(Pk)		46.27	74	-27.73
	4824(Av)		38.40	54	-15.60
	7236(Pk)		46.20	74	-27.80
	7236(Av)		34.27	54	-19.73
	2412(Pk)	Horizontal	103.20	-	-
	2412(Av)		91.27	-	-
	2390(Pk)		62.08	74*	-11.92
	2390(Av)		38.07	54*	-15.93
	4824(Pk)		42.68	74	-31.32
	4824(Av)		31.68	54	-22.32
	7236(Pk)		46.84	74	-27.16
	7236(Av)		34.33	54	-19.67
2437	2437(Pk)	Vertical	102.33	-	-
	2437(Av)		89.05	-	-
	4874(Pk)		43.13	74	-30.87
	4874(Av)		34.50	54	-19.50
	7311(Pk)		46.36	74	-27.64
	7311(Av)		34.44	54	-19.56
	2437(Pk)	Horizontal	108.74	-	-
	2437(Av)		95.49	-	-
	4874(Pk)		40.95	74	-33.05
	4874(Av)		30.22	54	-23.78
	7311(Pk)		46.02	74	-27.98
	7311(Av)		34.39	54	-19.61
2462	2462(Pk)	Vertical	97.46	-	-
	2462(Av)		85.53	-	-
	2483.5(Pk)		59.51	74*	-14.49
	2483.5(Av)		33.35	54*	-20.65
	4924(Pk)		44.49	74	-29.51
	4924(Av)		36.10	54	-17.90
	7386(Pk)		45.76	74	-28.24
	7386(Av)		34.17	54	-19.83
	2462(Pk)	Horizontal	103.74	-	-
	2462(Av)		91.62	-	-
	2483.5(Pk)		66.00	74*	-8.00
	2483.5(Av)		38.28	54*	-15.72
	4924(Pk)		42.31	74	-31.69
	4924(Av)		32.49	54	-21.51
	7386(Pk)		46.56	74	-27.44
	7386(Av)		34.15	54	-19.85

\* : Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector



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**Modulation: 802.11g**  
**Data rate: 54Mbps**

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	2412(Pk)	Vertical	97.62	-	-
	2412(Av)		83.97	-	-
	2390(Pk)		56.75	74*	-17.25
	2390(Av)		31.13	54*	-22.87
	4824(Pk)		42.73	74	-31.27
	4824(Av)		30.96	54	-23.04
	7236(Pk)		46.49	74	-27.51
	7236(Av)		34.33	54	-19.67
	2412(Pk)	Horizontal	103.87	-	-
	2412(Av)		90.22	-	-
	2390(Pk)		63.76	74*	-10.24
	2390(Av)		36.90	54*	-17.10
	4824(Pk)		42.83	74	-31.17
	4824(Av)		33.70	54	-20.30
	7236(Pk)		47.79	74	-26.21
	7236(Av)		34.34	54	-19.66
2437	2437(Pk)	Vertical	99.09	-	-
	2437(Av)		85.54	-	-
	4874(Pk)		43.05	74	-30.95
	4874(Av)		32.52	54	-21.48
	7311(Pk)		46.00	74	-28.00
	7311(Av)		34.40	54	-19.60
	2437(Pk)	Horizontal	105.53	-	-
	2437(Av)		92.11	-	-
	4874(Pk)		42.31	74	-31.69
	4874(Av)		33.10	54	-20.90
	7311(Pk)		46.49	74	-27.51
	7311(Av)		34.43	54	-19.57
2462	2462(Pk)	Vertical	98.22	-	-
	2462(Av)		84.74	-	-
	2483.5(Pk)		60.05	74*	-13.95
	2483.5(Av)		33.09	54*	-20.91
	4924(Pk)		43.96	74	-30.04
	4924(Av)		34.39	54	-19.61
	7386(Pk)		46.03	74	-27.97
	7386(Av)		34.11	54	-19.89
	2462(Pk)	Horizontal	104.02	-	-
	2462(Av)		90.43	-	-
	2483.5(Pk)		64.96	74*	-9.04
	2483.5(Av)		37.63	54*	-16.37
	4924(Pk)		75.03	74	1.03
	4924(Av)		35.80	54	-18.20
	7386(Pk)		45.91	74	-28.09
	7386(Av)		34.10	54	-19.90

\* : Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector

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**Modulation: 802.11n HT20**  
**Data rate: MCS0**

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	2412(Pk)	Vertical	94.92	-	-
	2412(Av)		83.41	-	-
	2390(Pk)		56.24	74*	-17.76
	2390(Av)		32.28	54*	-21.72
	4824(Pk)		41.55	74	-32.45
	4824(Av)		30.10	54	-23.90
	7236(Pk)		46.95	74	-27.05
	7236(Av)		34.34	54	-19.66
	2412(Pk)	Horizontal	103.63	-	-
	2412(Av)		92.31	-	-
	2390(Pk)		65.20	74*	-8.80
	2390(Av)		41.23	54*	-12.77
	4824(Pk)		40.80	74	-33.20
	4824(Av)		29.44	54	-24.56
	7236(Pk)		46.10	74	-27.90
	7236(Av)		34..31	54	-19.69
2437	2437(Pk)	Vertical	100.38	-	-
	2437(Av)		89.15	-	-
	4874(Pk)		42.77	74	-31.23
	4874(Av)		34.01	54	-19.99
	7311(Pk)		46.57	74	-27.43
	7311(Av)		34.42	54	-19.58
	2437(Pk)	Horizontal	107.77	-	-
	2437(Av)		96.24	-	-
	4874(Pk)		41.68	74	-32.32
	4874(Av)		29.76	54	-24.24
	7311(Pk)		46.79	74	-27.21
	7311(Av)		34.38	54	-19.62
2462	2462(Pk)	Vertical	98.09	-	-
	2462(Av)		86.36	-	-
	2483.5(Pk)		60.63	74*	-13.37
	2483.5(Av)		35.40	54*	-18.60
	4924(Pk)		43.92	74	-30.08
	4924(Av)		36.41	54	-17.59
	7386(Pk)		45.37	74	-28.63
	7386(Av)		34.09	54	-19.91
	2462(Pk)	Horizontal	104.14	-	-
	2462(Av)		92.67	-	-
	2483.5(Pk)		64.53	74*	-9.47
	2483.5(Av)		41.20	54*	-12.80
	4924(Pk)		33.69	74	-40.31
	4924(Av)		43.16	54	-10.84
	7386(Pk)		45.83	74	-28.17
	7386(Av)		34.10	54	-19.90

\* : Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector

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**Modulation: 802.11n HT20**  
**Data rate: MCS4**

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	2412(Pk)	Vertical	96.43	-	-
	2412(Av)		83.69	-	-
	2390(Pk)		54.03	74*	-19.97
	2390(Av)		33.43	54*	-20.57
	4824(Pk)		44.53	74	-29.47
	4824(Av)		35.81	54	-18.19
	7236(Pk)		46.35	74	-27.65
	7236(Av)		34.35	54	-19.65
	2412(Pk)	Horizontal	103.56	-	-
	2412(Av)		90.77	-	-
	2390(Pk)		62.16	74*	-11.84
	2390(Av)		40.41	54*	-13.59
	4824(Pk)		42.80	74	-31.20
	4824(Av)		32.27	54	-21.73
	7236(Pk)		46.10	74	-27.90
	7236(Av)		34.31	54	-19.69
2437	2437(Pk)	Vertical	100.58	-	-
	2437(Av)		87.40	-	-
	4874(Pk)		43.09	74	-30.91
	4874(Av)		33.91	54	-20.09
	7311(Pk)		46.94	74	-27.06
	7311(Av)		34.44	54	-19.56
	2437(Pk)	Horizontal	106.62	-	-
	2437(Av)		93.49	-	-
	4874(Pk)		42.88	74	-31.12
	4874(Av)		32.10	54	-21.90
	7311(Pk)		46.46	74	-27.54
	7311(Av)		34.43	54	-19.57
2462	2462(Pk)	Vertical	97.46	-	-
	2462(Av)		84.83	-	-
	2483.5(Pk)		57.35	74*	-16.65
	2483.5(Av)		35.16	54*	-18.84
	4924(Pk)		44.07	74	-29.93
	4924(Av)		36.18	54	-17.82
	7386(Pk)		46.54	74	-27.46
	7386(Av)		34.14	54	-19.86
	2462(Pk)	Horizontal	103.72	-	-
	2462(Av)		90.82	-	-
	2483.5(Pk)		62.67	74*	-11.33
	2483.5(Av)		40.60	54*	-13.40
	4924(Pk)		43.12	74	-30.88
	4924(Av)		33.39	54	-20.61
	7386(Pk)		46.55	74	-27.45
	7386(Av)		34.14	54	-19.86

\* : Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector

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**Modulation: 802.11n HT20**  
**Data Rate: MCS7**

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	2412(Pk)	Vertical	97.17	-	-
	2412(Av)		82.82	-	-
	2390(Pk)		57.46	74*	-16.54
	2390(Av)		32.08	54*	-21.92
	4824(Pk)		42.43	74	-31.57
	4824(Av)		32.40	54	-21.60
	7236(Pk)		45.80	74	-28.20
	7236(Av)		34.32	54	-19.68
	2412(Pk)	Horizontal	104.01	-	-
	2412(Av)		89.65	-	-
	2390(Pk)		64.58	74*	-9.42
	2390(Av)		38.11	54*	-15.89
	4824(Pk)		42.31	74	-31.69
	4824(Av)		32.28	54	-21.72
	7236(Pk)		46.45	74	-27.55
	7236(Av)		34.33	54	-19.67
2437	2437(Pk)	Vertical	98.15	-	-
	2437(Av)		83.81	-	-
	4874(Pk)		42.94	74	-31.06
	4874(Av)		33.69	54	-20.31
	7311(Pk)		46.71	74	-27.29
	7311(Av)		34.44	54	-19.56
	2437(Pk)	Horizontal	104.04	-	-
	2437(Av)		89.67	-	-
	4874(Pk)		42.20	74	-31.80
	4874(Av)		32.06	54	-21.94
	7311(Pk)		46.00	74	-28.00
	7311(Av)		34.43	54	-19.57
2462	2462(Pk)	Vertical	98.06	-	-
	2462(Av)		83.70	-	-
	2483.5(Pk)		60.79	74*	-13.21
	2483.5(Av)		32.54	54*	-21.46
	4924(Pk)		44.70	74	-29.30
	4924(Av)		35.82	54	-18.18
	7386(Pk)		45.89	74	-28.11
	7386(Av)		34.17	54	-19.83
	2462(Pk)	Horizontal	104.25	-	-
	2462(Av)		89.90	-	-
	2483.5(Pk)		66.50	74*	-7.50
	2483.5(Av)		37.73	54*	-16.27
	4924(Pk)		43.24	74	-30.76
	4924(Av)		33.22	54	-20.78
	7386(Pk)		45.65	74	-28.35
	7386(Av)		34.14	54	-19.86

\* : Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector

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**Modulation: 802.11n HT40**  
**Data rate: MCS0**

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2422	2422(Pk)	Vertical	92.40	-	-
	2422(Av)		79.87	-	-
	2390(Pk)		53.71	74*	-20.29
	2390(Av)		33.74	54*	-20.26
	4844(Pk)		44.03	74	-29.97
	4844(Av)		34.71	54	-19.29
	7266(Pk)		46.62	74	-27.38
	7266(Av)		34.52	54	-19.48
	2422(Pk)	Horizontal	99.00	-	-
	2422(Av)		86.26	-	-
	2390(Pk)		61.06	74*	-12.94
	2390(Av)		39.86	54*	-14.14
	4844(Pk)		43.64	74	-30.36
	4844(Av)		34.82	54	-19.18
	7266(Pk)		46.32	74	-27.68
	7266(Av)		34.52	54	-19.48
2452	2452(Pk)	Vertical	93.65	-	-
	2452(Av)		81.07	-	-
	2483.5(Pk)		55.83	74*	
	2483.5(Av)		32.83	54*	
	4904(Pk)		43.61	74	-30.39
	4904(Av)		35.80	54	-18.20
	7356(Pk)		47.15	74	-26.85
	7356(Av)		34.29	54	-19.71
	2452(Pk)	Horizontal	99.75	-	-
	2452(Av)		87.12	-	-
	2483.5(Pk)		61.87	74*	-12.13
	2483.5(Av)		38.11	54*	-15.89
	4904(Pk)		43.76	74	-30.24
	4904(Av)		34.80	54	-19.20
	7356(Pk)		47.13	74	-26.87
	7356(Av)		34.33	54	-19.67

\*: Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector

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Data rate: MCS4

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2422	2422(Pk)	Vertical	91.48	-	-
	2422(Av)		76.75	-	-
	2390(Pk)		51.61	74*	-22.39
	2390(Av)		32.89	54*	-21.11
	4844(Pk)		44.30	74	-29.70
	4844(Av)		34.66	54	-19.34
	7266(Pk)		46.23	74	-27.77
	7266(Av)		34.57	54	-19.43
	2422(Pk)	Horizontal	98.13	-	-
	2422(Av)		83.43	-	-
	2390(Pk)		59.75	74*	-14.25
	2390(Av)		39.17	54*	-14.83
	4844(Pk)		44.40	74	-29.60
	4844(Av)		33.58	54	-20.42
	7266(Pk)		46.91	74	-27.09
	7266(Av)		34.55	54	-19.45
2452	2452(Pk)	Vertical	92.98	-	-
	2452(Av)		78.24	-	-
	2483.5(Pk)		53.01	74*	-20.99
	2483.5(Av)		32.22	54*	-21.78
	4904(Pk)		44.40	74	-29.60
	4904(Av)		35.82	54	-18.18
	7356(Pk)		47.32	74	-26.68
	7356(Av)		34.30	54	-19.70
	2452(Pk)	Horizontal	98.60	-	-
	2452(Av)		83.93	-	-
	2483.5(Pk)		58.14	74*	-15.86
	2483.5(Av)		37.31	54*	-16.69
	4904(Pk)		44.33	74	-29.67
	4904(Av)		35.30	54	-18.70
	7356(Pk)		46.10	74	-27.90
	7356(Av)		34.35	54	-19.65

\*: Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector

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Data rate: MCS7

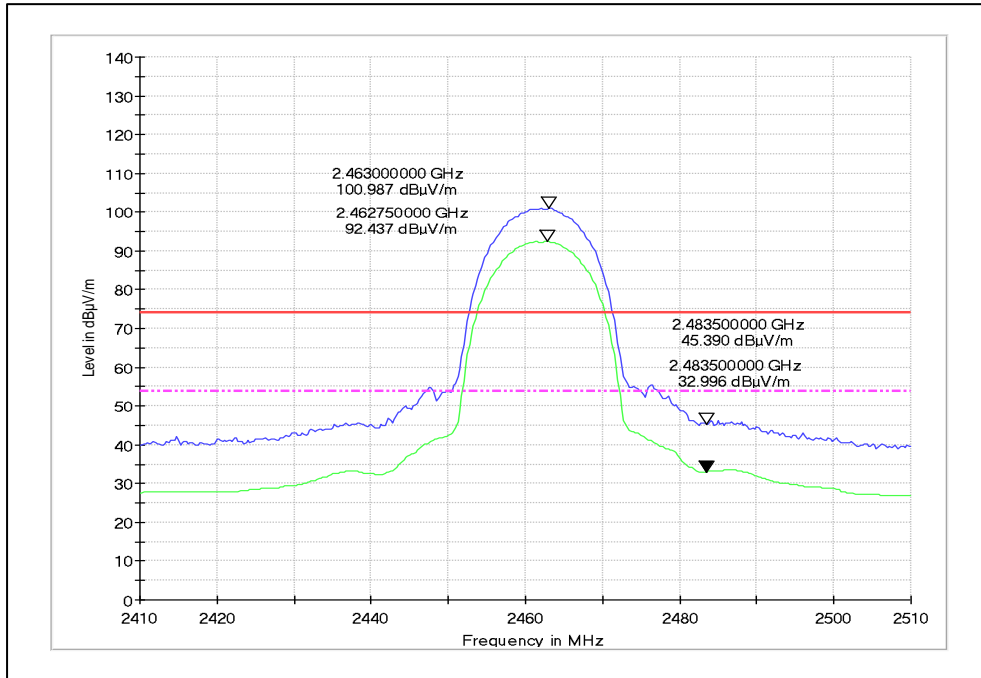
Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2422	2422(Pk)	Vertical	91.46	-	-
	2422(Av)		75.36	-	-
	2390(Pk)		52.86	74*	-21.14
	2390(Av)		31.09	54*	-22.91
	4844(Pk)		42.95	74	-31.05
	4844(Av)		32.57	54	-21.43
	7266(Pk)		46.61	74	-27.39
	7266(Av)		34.55	54	-19.45
	2422(Pk)	Horizontal	97.89	-	-
	2422(Av)		82.05	-	-
	2390(Pk)		60.32	74*	-13.68
	2390(Av)		37.06	54*	-16.94
	4844(Pk)		44.32	74	-29.68
	4844(Av)		34.16	54	-19.84
	7266(Pk)		47.05	74	-26.95
	7266(Av)		34.55	54	-19.45
2452	2452(Pk)	Vertical	92.44	-	-
	2452(Av)		76.59	-	-
	2483.5(Pk)		54.41	74*	-19.59
	2483.5(Av)		31.16	54*	-22.84
	4904(Pk)		44.88	74	-29.12
	4904(Av)		36.34	54	-17.66
	7356(Pk)		47.06	74	-26.94
	7356(Av)		34.31	54	-19.69
	2452(Pk)	Horizontal	97.99	-	-
	2452(Av)		82.11	-	-
	2483.5(Pk)		59.49	74*	-14.51
	2483.5(Av)		35.92	54*	-18.08
	4904(Pk)		42.81	74	-31.19
	4904(Av)		33.57	54	-20.43
	7356(Pk)		46.66	74	-27.34
	7356(Av)		34.36	54	-19.64

\*: Indicate restricted band of operation §15.205  
Pk: Peak Detector; Av: Average Detector

**Test Plots**

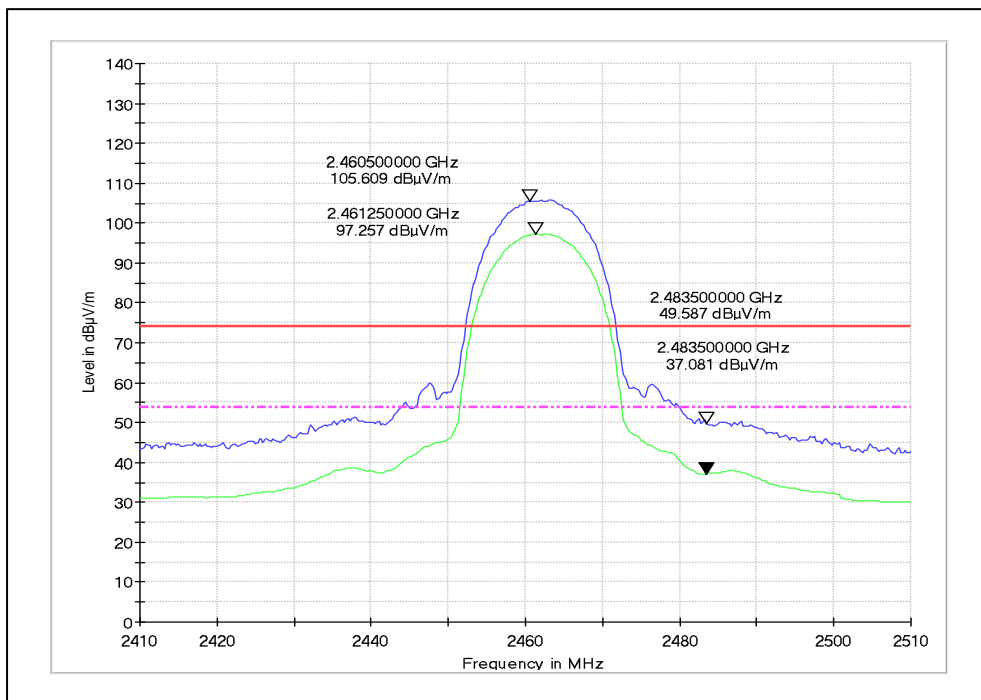
**Modulation: 802.11b**  
**Data rate: 11Mbps**

**Channel Frequency 2437MHz**



Channel Frequency: 2462MHz

Polarization: Vertical



Channel Frequency: 2462MHz

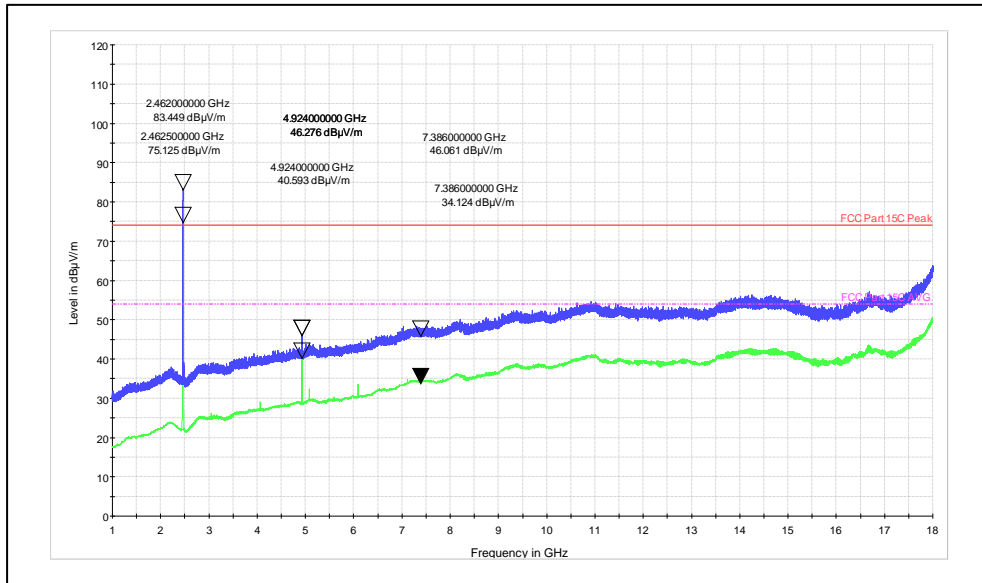
Polarization: Horizontal



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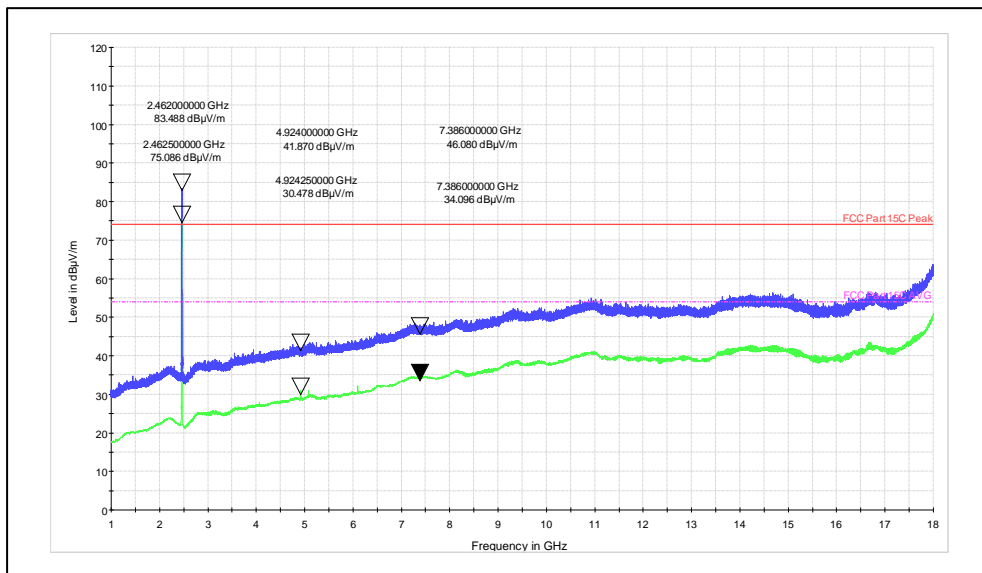
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Channel Frequency: 1 – 18 GHz

Polarization: Vertical



Channel Frequency: 1 – 18 GHz

Polarization: Horizontal

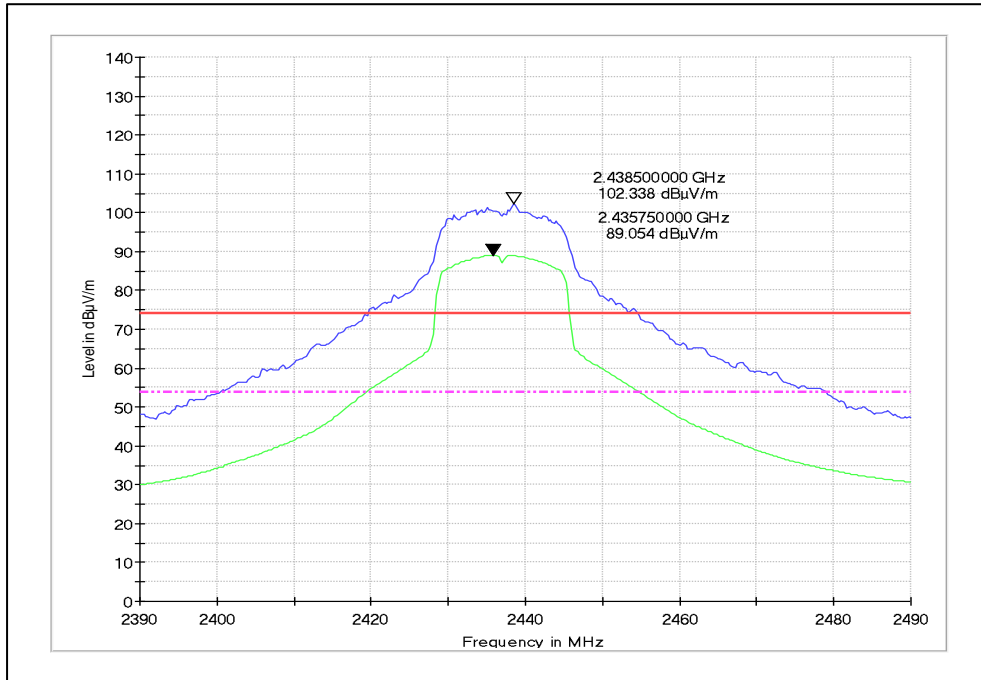
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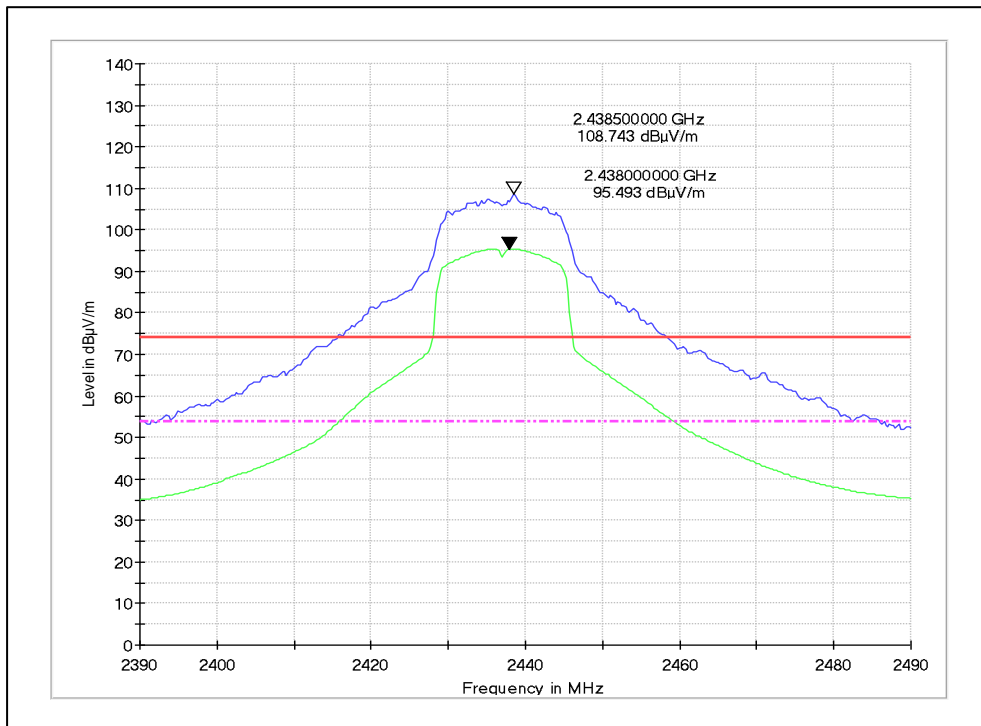
**Modulation: 802.11g**  
**Data rate: 24Mbps**

**Channel Frequency 2462MHz**



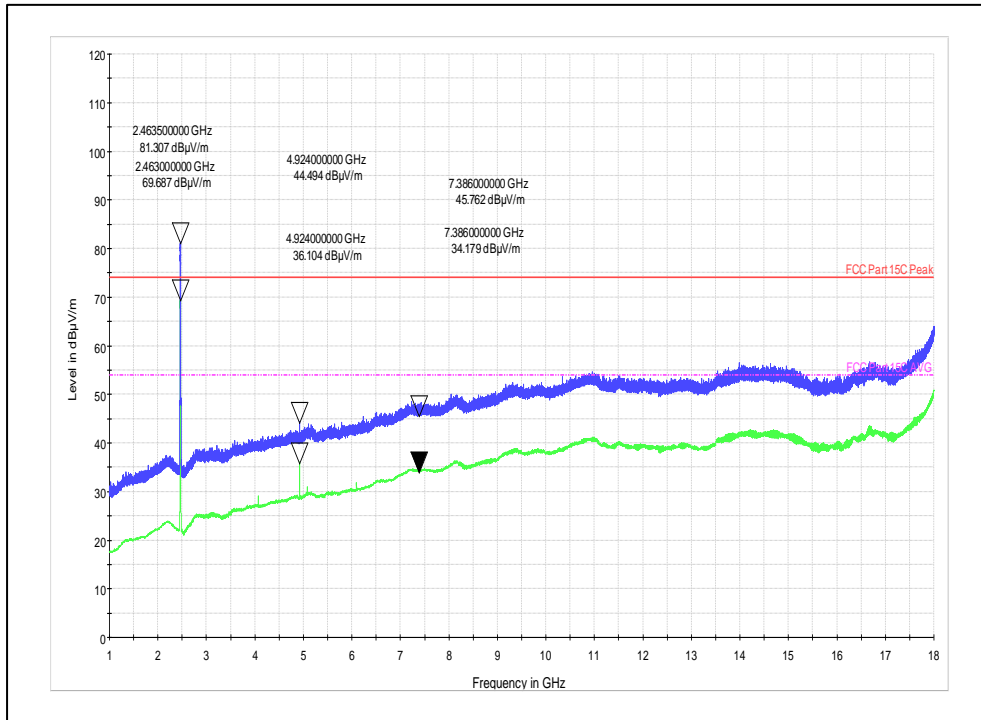
Channel Frequency: 2462MHz

Polarization: Vertical



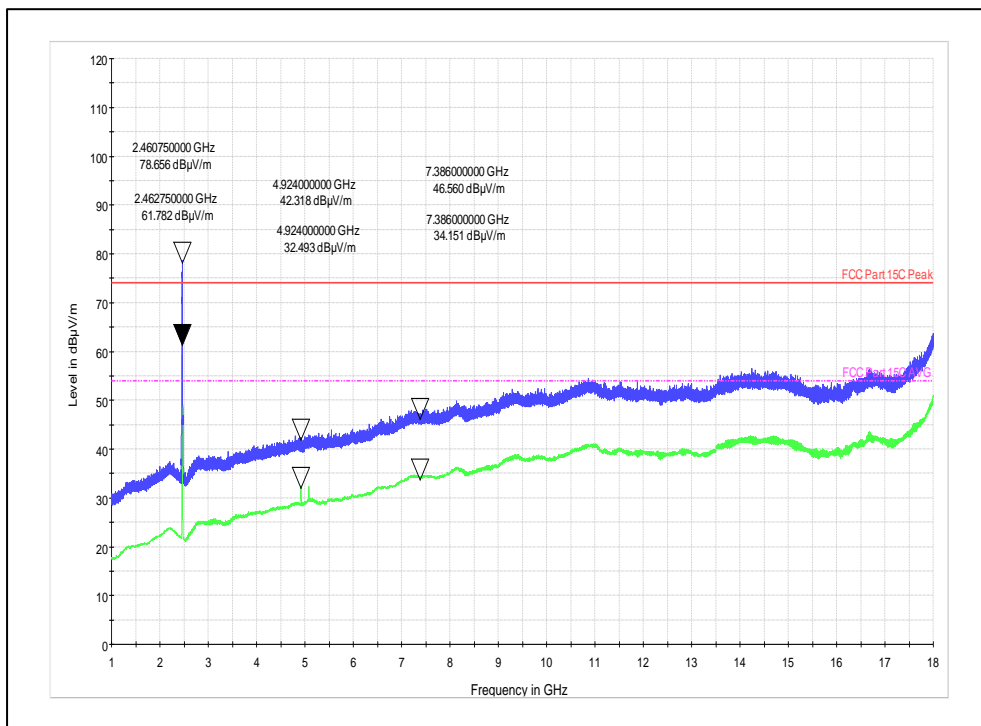
Channel Frequency: 2462MHz

Polarization: Horizontal



Channel Frequency: 1 – 18 GHz

Polarization: Vertical



Channel Frequency: 1 – 18GHz

Polarization: Horizontal

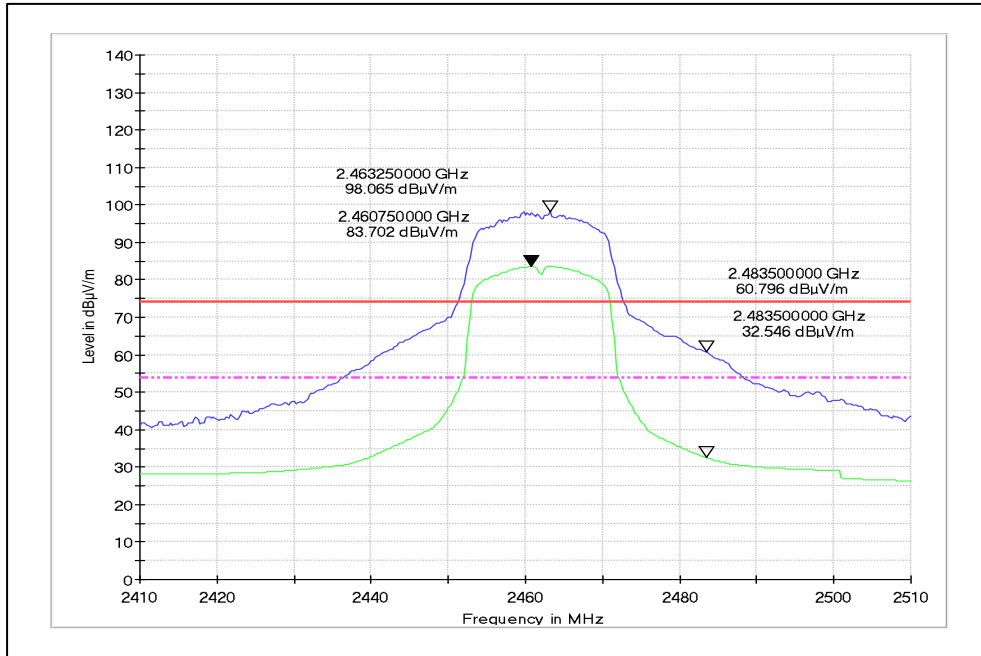
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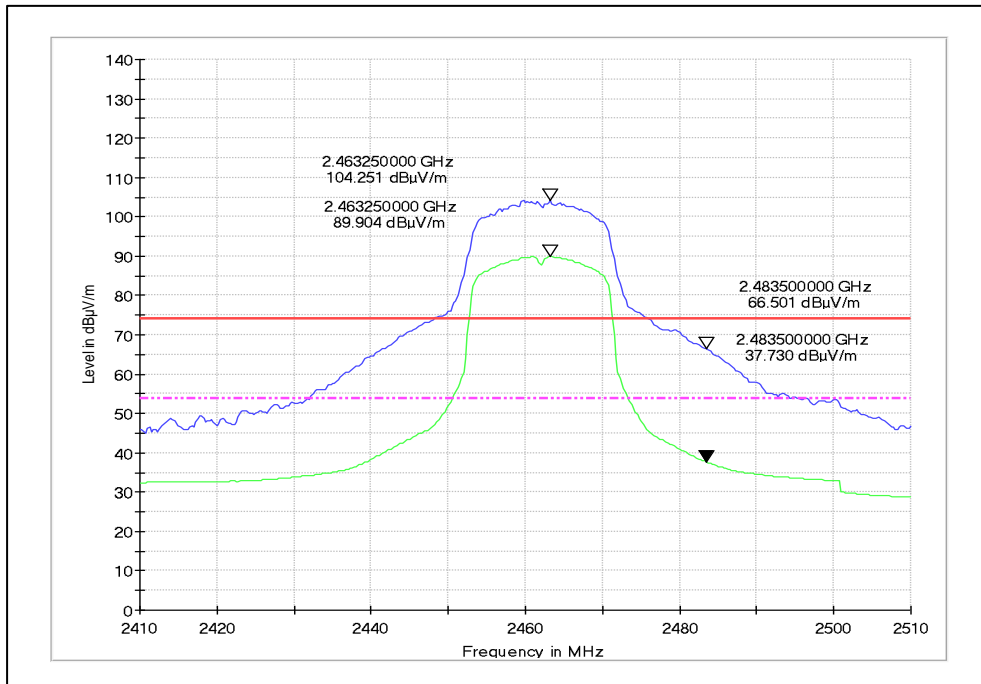
**Modulation: 802.11n HT20**  
**Data rate: MCS7**

**Channel Frequency 2462MHz**



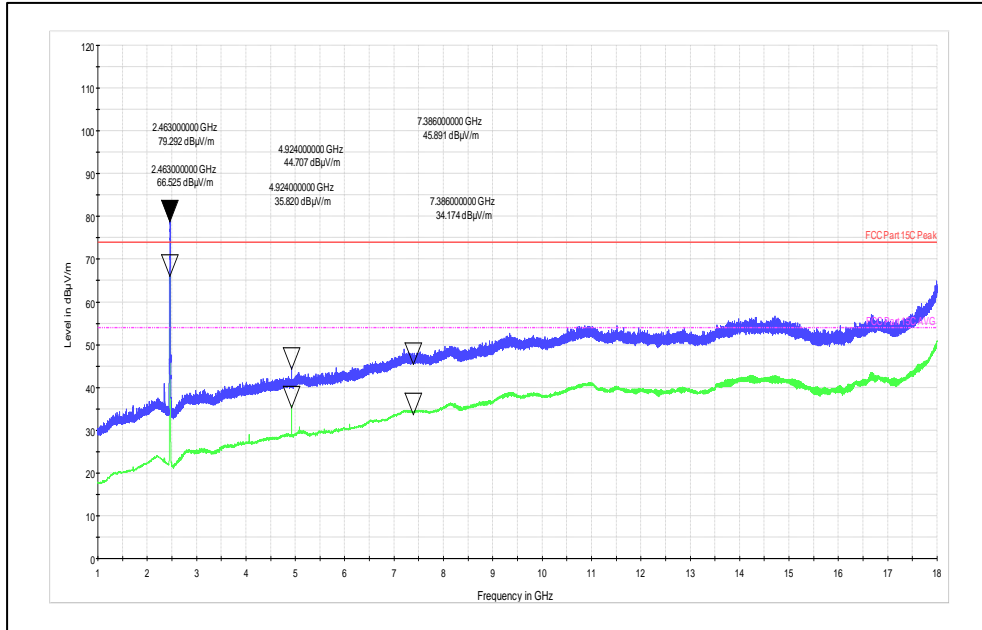
Channel Frequency: 2462MHz

Polarization: Vertical



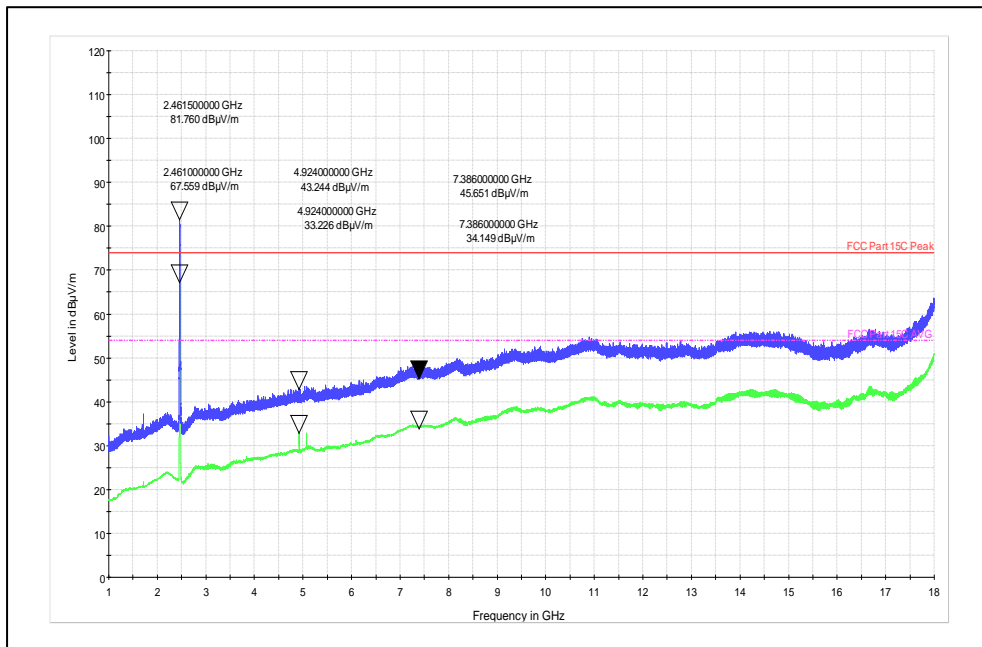
Channel Frequency: 2462MHz

Polarization: Horizontal



Channel Frequency: 1 – 18 GHz

Polarization: Vertical



Channel Frequency: 1 – 18 GHz

Polarization: Horizontal

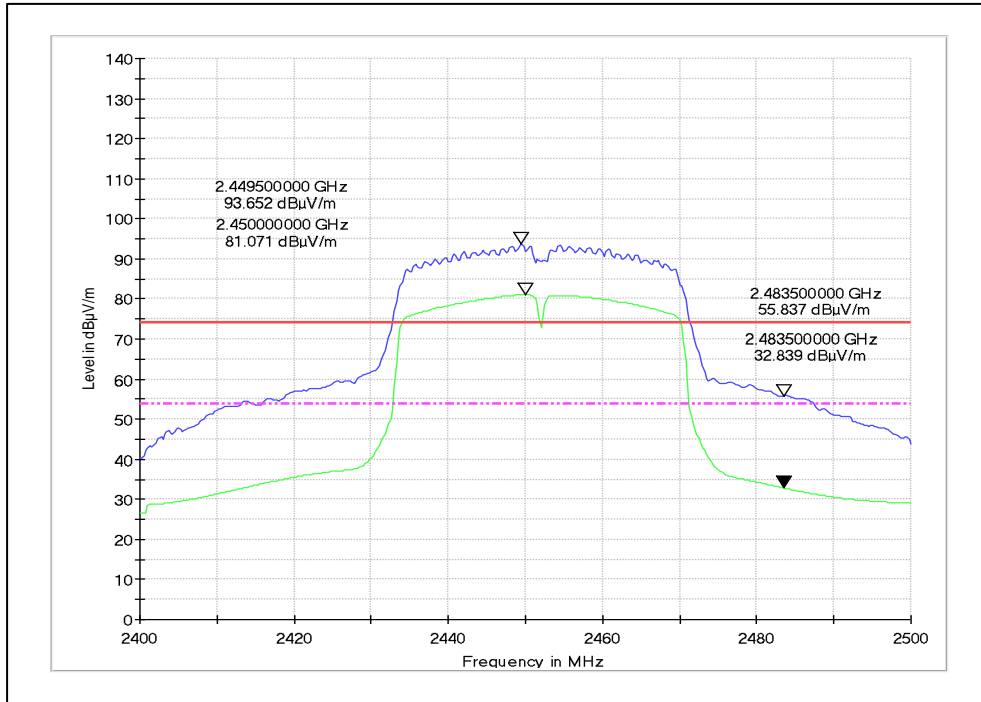
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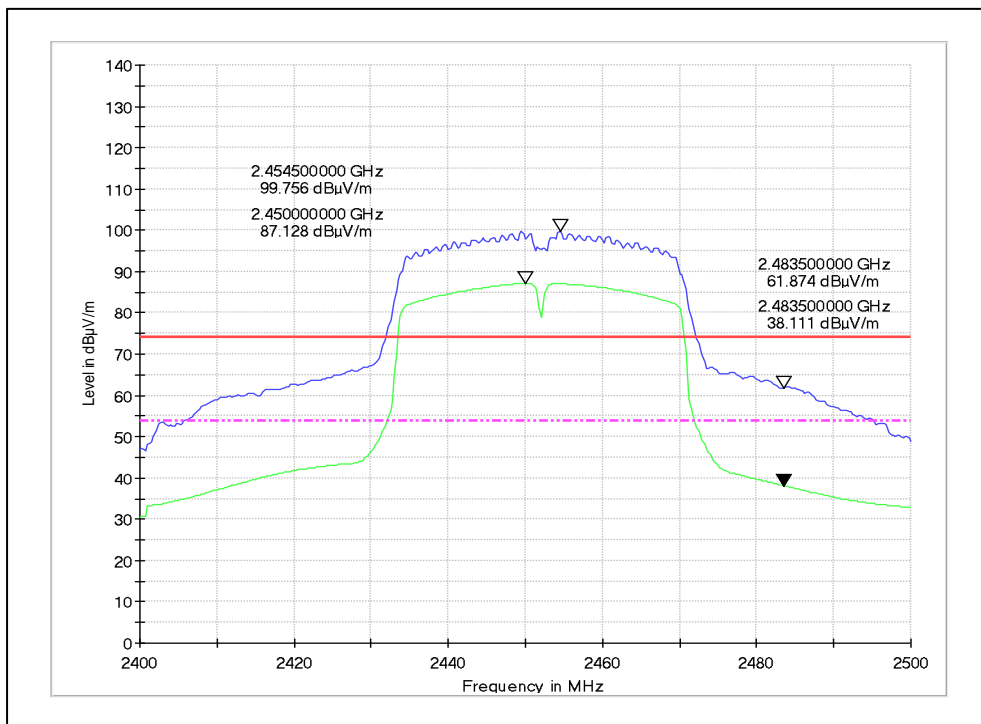
**Modulation: 802.11n HT40**  
**Data rate: MCS0**

**Channel Frequency 2452MHz**



Channel Frequency: 2452MHz

Polarization: Vertical



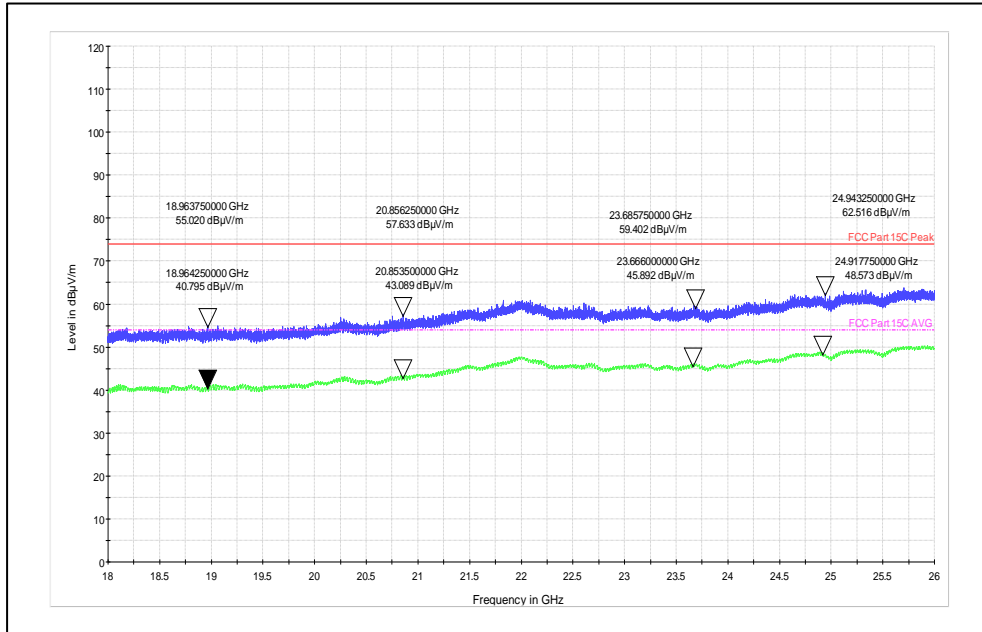
Channel Frequency: 2452MHz

Polarization: Horizontal

Prüfbericht - Nr.:  
Test Report No.:

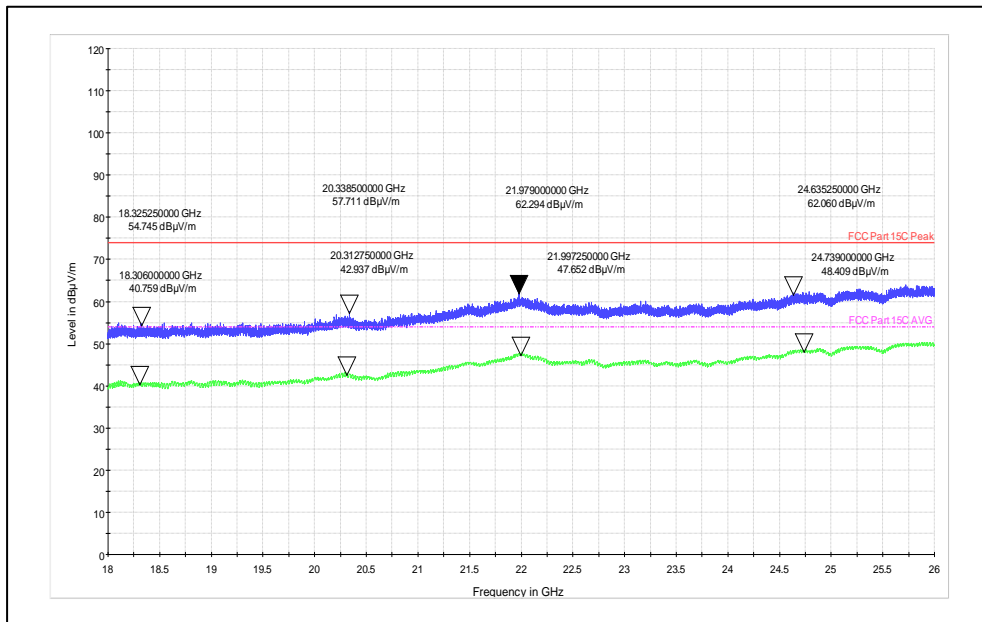
IN22T1OT 001  
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Frequency range: 18GHz to 26GHz

Polarization: Vertical



Frequency range: 18GHz to 26GHz

Polarization: Horizontal

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Test Report No.:

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**ULR-TC568822300000100F**

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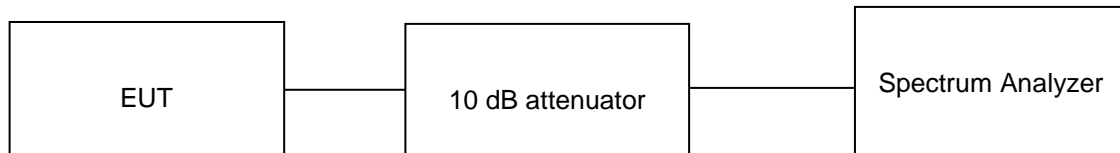
## 8 TEST RESULTS FOR BLUETOOTH LOW ENERGY

### 8.1 Maximum Peak Conducted Output Power

**Result**

**Pass**

Test Specification	FCC part 15 Subpart C 15.247 (b)(3) / RSS 247 Issue 2, Section 5.4 (d)
Test Method	Subclause 11.9.1.1 of ANSI C63.10
Measurement Bandwidth	1MHz
Detector	Peak
Port of testing	Antenna port
Requirement	Power $\leq 1$ W (30 dBm) & e.i.r.p $\leq 4$ W (36 dBm)



#### Test Condition

##### Normal Test Condition:

Temperature (Norm) = + 22.6 °C

Voltage = 3.6V Li-Ion battery

Relative humidity: 62%

#### KDB Guidelines applied:

Measurements were made as per section 8.3.1 in KDB 558074.00 D01 15.247 Measurement Guidance v05r02.



**Prüfbericht - Nr.:**  
Test Report No.:

**IN22T1OT 001**  
**ULR-TC568822300000100F**

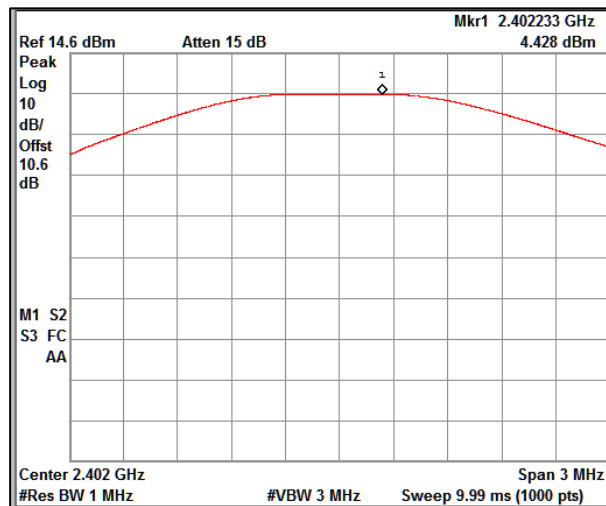
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**Test results:**

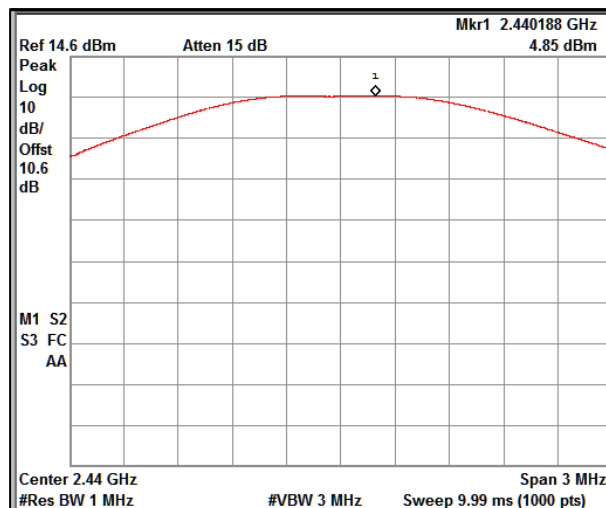
**Note:**

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Total Peak Output power (dBm) = Measured Peak power (dBm) + Attenuator factor (10dB) + Cable loss (0.6dB)
3. This product do not support additional beamforming gain / directional gain, it uses signal antenna and hence directional gain of the single antenna is 2.53 dBi

Data Rate	Channel Frequency (MHz)	Measured Peak Power (dBm)	e.i.r.p (dBm)	Power Limit (dBm)	e.i.r.p Limit (dBm)
1Mbps	2402	4.42	6.95	30.00	36.00
	2440	4.85	7.38	30.00	36.00
	2480	5.63	8.16	30.00	36.00



Channel Frequency: 2402MHz

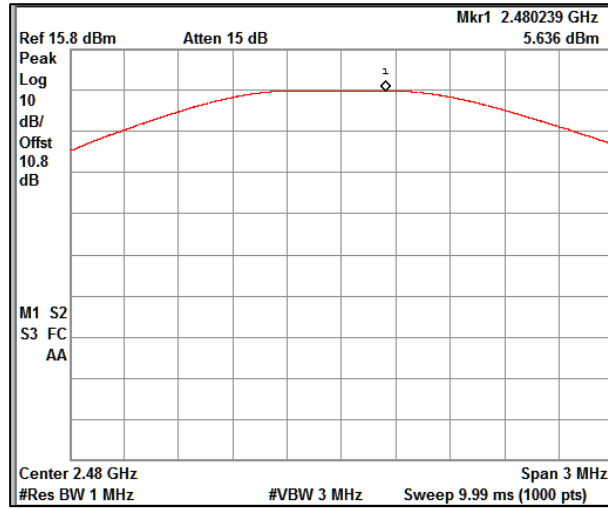


Channel Frequency: 2440MHz

**Prüfbericht - Nr.:**  
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Channel Frequency: 2480MHz

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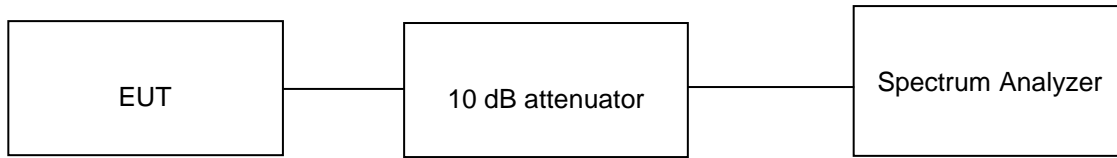
## 8.2 Maximum Power Spectral Density

### Result

### Pass

Test Specification	FCC part 15 Subpart C 15.247 (e) / RSS 247 Issue 2, Section 5.2 (b)
Test Method	Subclause 11.10.2 of ANSI C63.10
Measurement Bandwidth	100 kHz
Detector	Peak detector
Port of testing	Antenna port
Requirement	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm

### Test Method:



### Test Condition

#### Normal Test Condition:

Temperature (Norm) = + 22.6°C

Voltage = 3.6V Li-Ion battery

Relative humidity: 62 %

### KDB Guidelines applied:

Measurements were made as per section 8.4 in KDB 558074 D01 15.247 Measurement Guidance v05r02.

**Prüfbericht - Nr.:**  
Test Report No.:

**IN22T1OT 001**  
**ULR-TC568822300000100F**

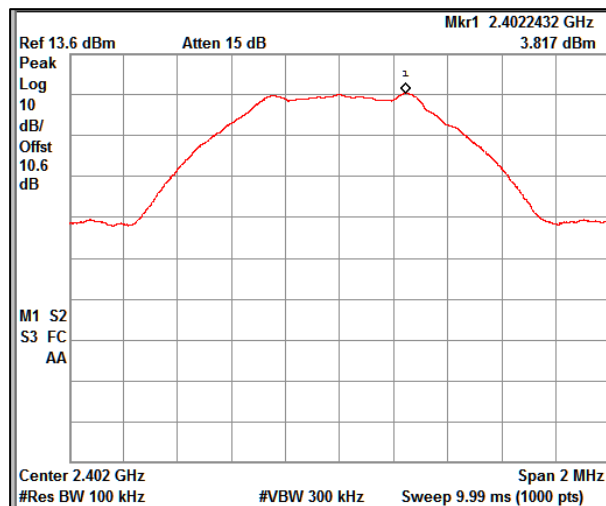
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**Test results:**

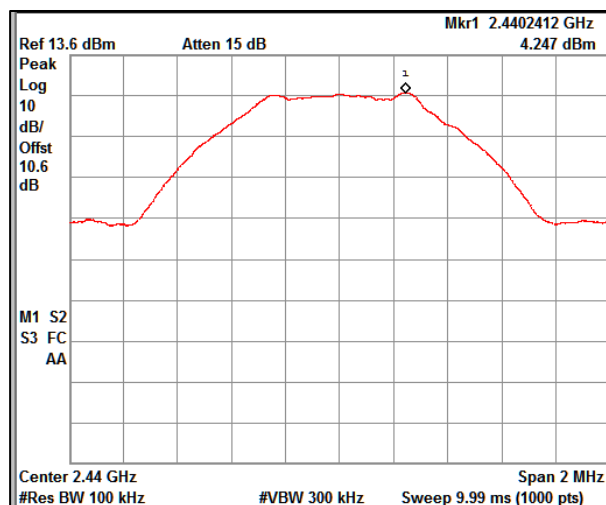
**Note:**

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Total Peak PSD (dBm) = Measured Peak PSD (dBm) + Attenuator factor (10dB) + Cable loss (0.6dB)
3. This product do not support additional beamforming gain / directional gain, it uses signal antenna and hence directional gain of the single antenna is 2.53 dBi

Data rate	Channel Frequency (MHz)	Maximum Peak PSD (dBm/100kHz)	Limit (dBm/100kHz)
1Mbps	2402	3.81	8
	2440	4.24	8
	2480	4.83	8



Channel Frequency: 2402MHz

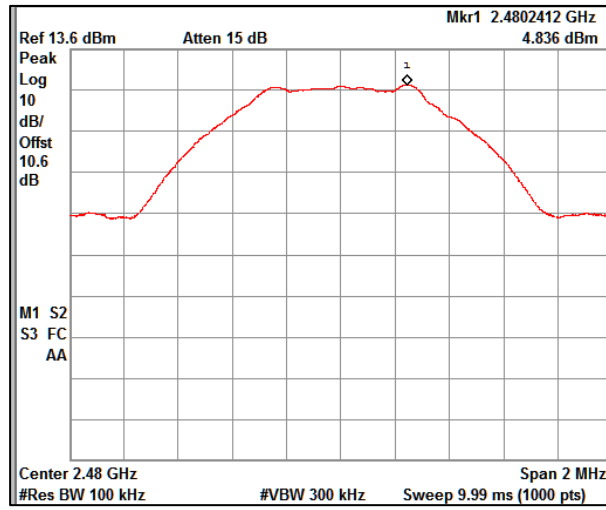


Channel Frequency: 2440MHz

**Prüfbericht - Nr.:**  
Test Report No.:

**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency: 2480MHz

**Prüfbericht - Nr.:**  
*Test Report No.:*

**IN22T1OT 001**  
**ULR-TC568822300000100F**

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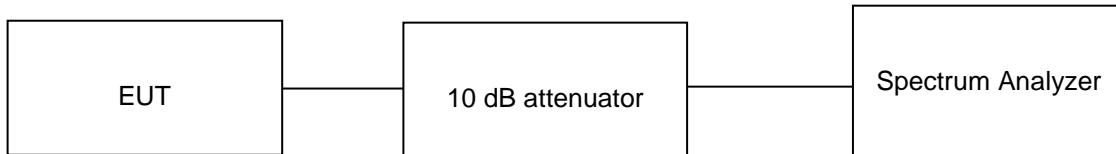
### 8.3 DTS Bandwidth & 99% Bandwidth

**Result**

**Pass**

Test Specification	FCC part 15 Subpart C 15.247 (a) (2) / RSS 247 Issue 2, Section 5.2 (a)
Test Method	Subclause 11.8.1 of ANSI C63.10
Measurement Bandwidth	100 kHz for x dB bandwidth 1 to 5% of OCB for 99% bandwidth
Detector	Peak
Port of testing	Antenna port
Requirement	The minimum 6 dB bandwidth shall be at least 500 kHz

**Test Method:**



**Test Condition**

**Normal Test Condition:**

Temperature (Norm) = + 22.6 °C      Voltage = 3.6V Li-Ion battery      Relative humidity: 62 %

**KDB Guidelines applied:**

Measurements were made as per section 8.2 in KDB 558074 D01 15.247 Measurement Guidance v05r02.

**Prüfbericht - Nr.:**  
Test Report No.:

**IN22T1OT 001**  
**ULR-TC568822300000100F**

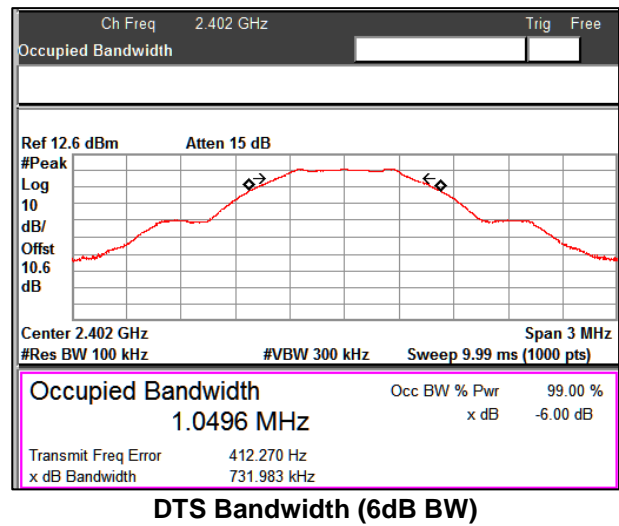
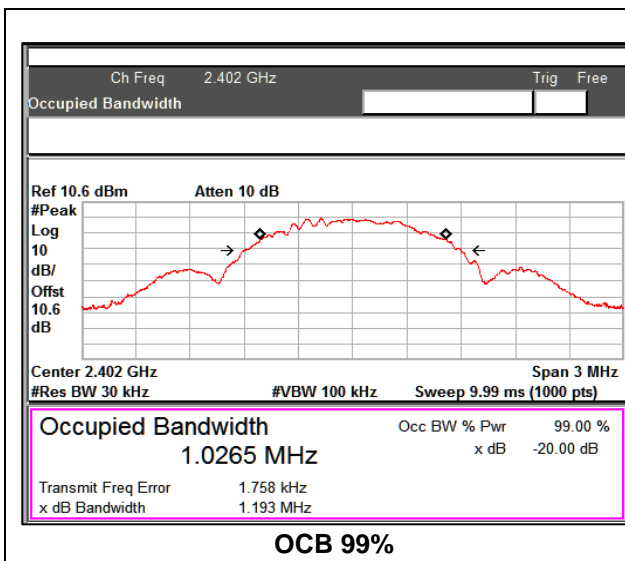
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**Test results:**

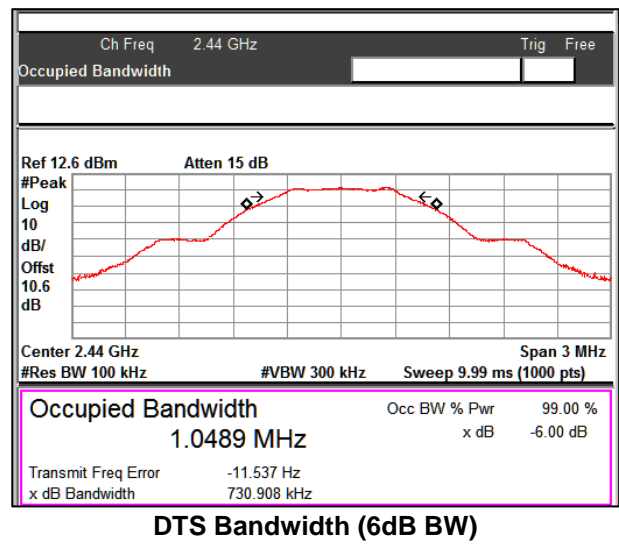
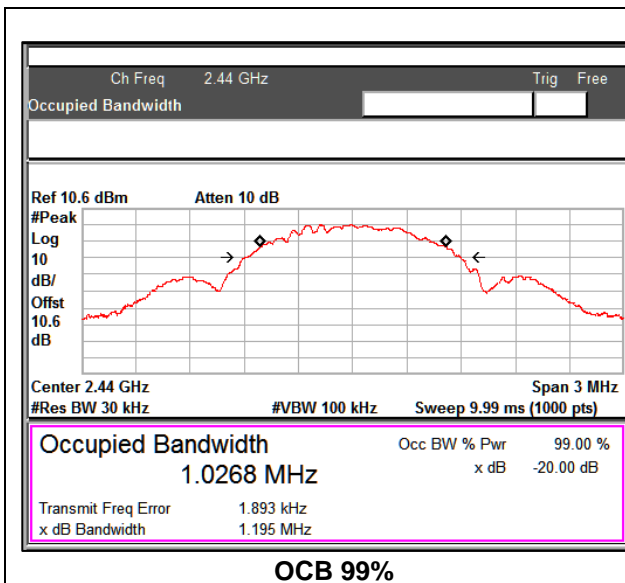
**Note:**

- All the losses are included during measurement and final values are mentioned in the test report.

Data Rate	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
1Mbps	2402	731.93	1.02	0.5
	2440	730.90	1.02	0.5
	2480	730.57	1.02	0.5



Channel Frequency: 2402MHz

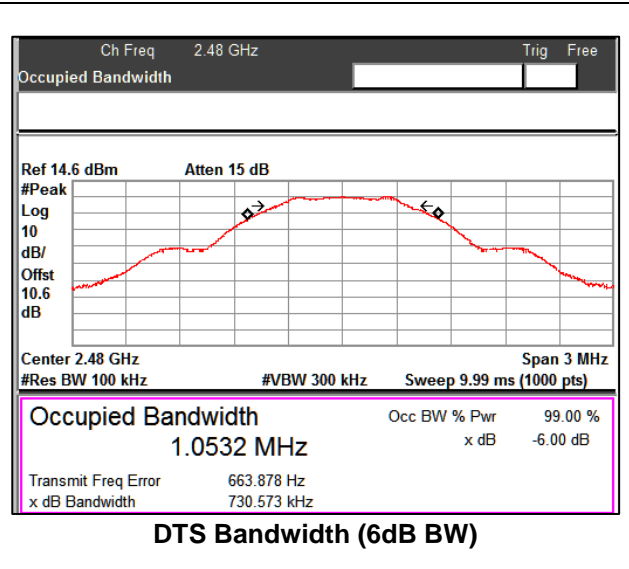
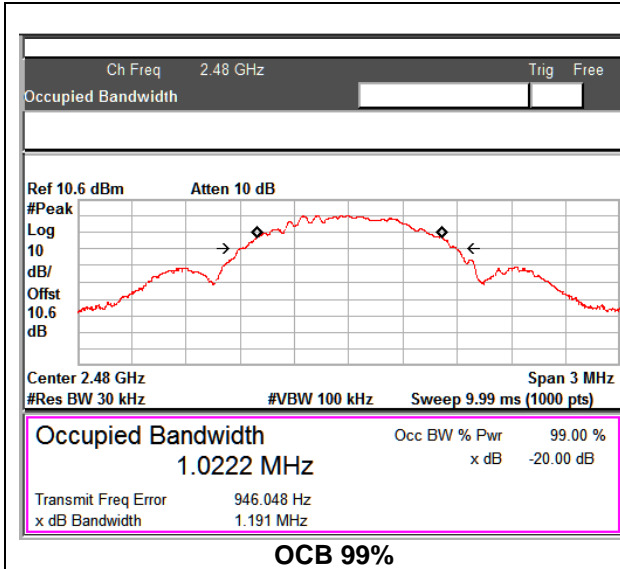


Channel Frequency: 2440MHz

**Prüfbericht - Nr.:**  
Test Report No.:

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Channel Frequency: 2480MHz



**Prüfbericht - Nr.:**  
Test Report No.:

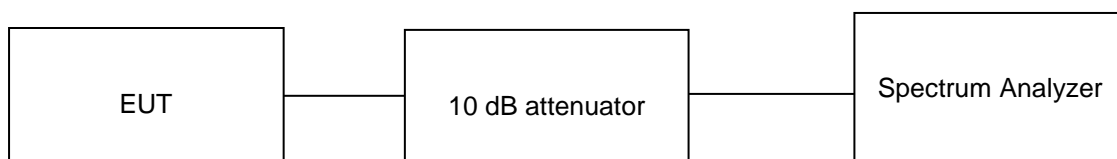
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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## 8.4 Emissions in non-restricted frequency bands and Conducted Spurious Emission

<b>Result</b>	<b>Pass</b>
Test Specification	FCC part 15 Subpart C 15.247 (d) / RSS 247 Issue 2, Section 5.5
Test Method	Subclause 11.11 of ANSI C63.10
Measurement Bandwidth	100 kHz
Detector	Peak
Port of testing	Antenna port
Requirement	<p>In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits</p> <p>If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB</p>

### Test Method:



### Test Condition

#### Normal Test Condition:

Temperature (Norm) = +22.6 °C

Voltage = 3.6V Li-Ion battery

Relative humidity: 62 %

#### KDB Guidelines applied:

Measurements were made as per section 8.5 in KDB 558074 D01 15.247 Measurement Guidance v05r02.

**Prüfbericht - Nr.:**  
Test Report No.:

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**ULR-TC568822300000100F**

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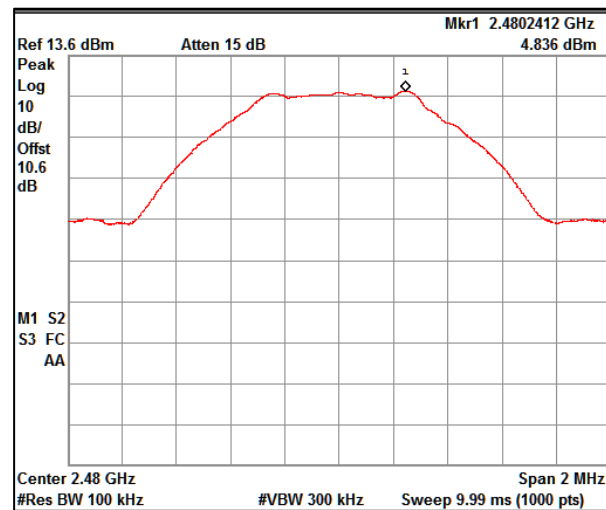
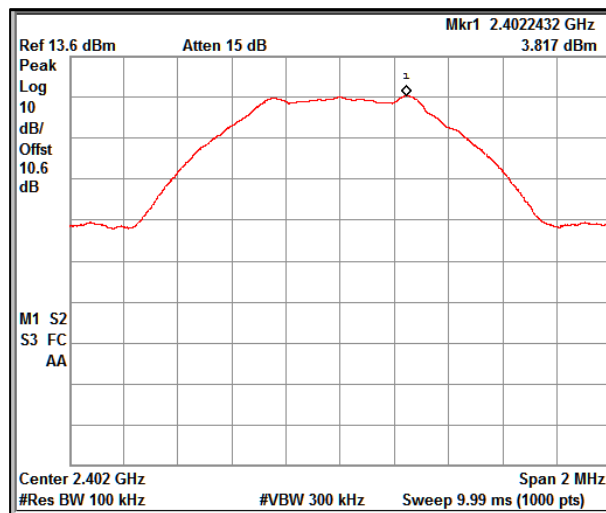
**Test results:**

**Note:**

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Final Value (dBm) = Measured Value (dBm) + Attenuator factor (10dB) + Cable loss (0.6dB)
3. This product do not support additional beamforming gain / directional gain, it uses signal antenna and hence directional gain of the single antenna is 2.53 dBi

**8.4.1 Band edge and reference plots**

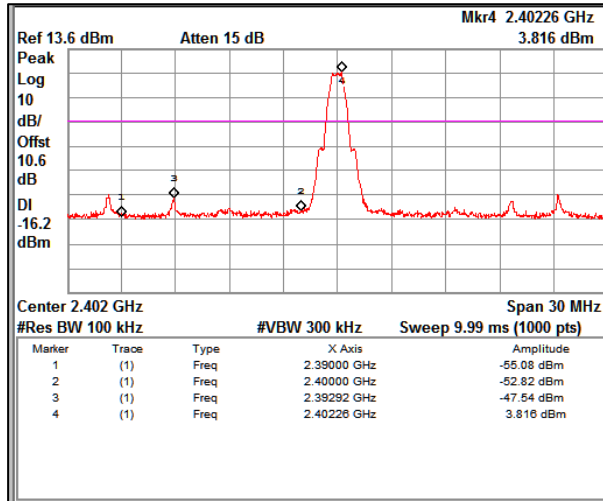
Data rate	Channel Frequency (MHz)	Reference Value (B) (dBm)	Band edge Frequency (MHz)	Value at Band edge (A) (dBm)	A-B (dBc)	Minimum Limit (dBc)
1Mbps	2402	3.81	2390	-47.54	-51.35	-20
	2480	4.81	2483.5	-52.79	-57.60	-20



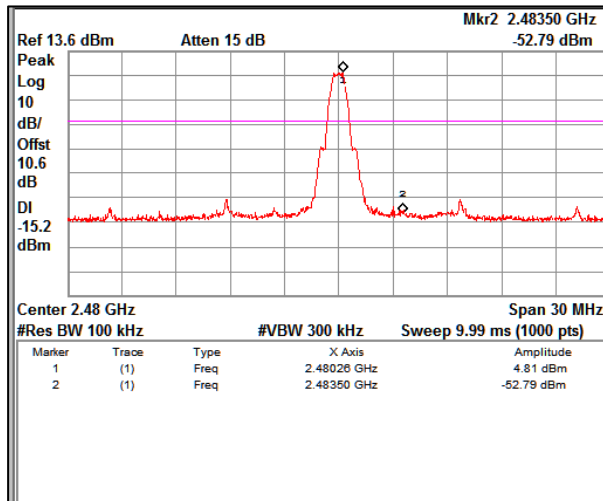
**Prüfbericht - Nr.:**  
Test Report No.:

**IN22T1OT 001**  
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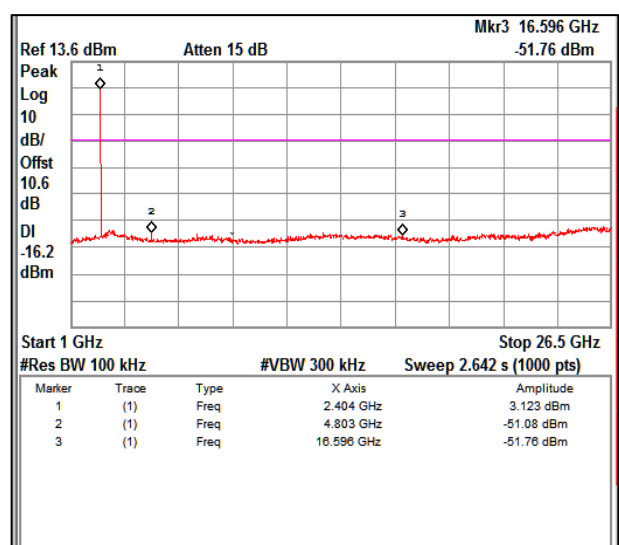
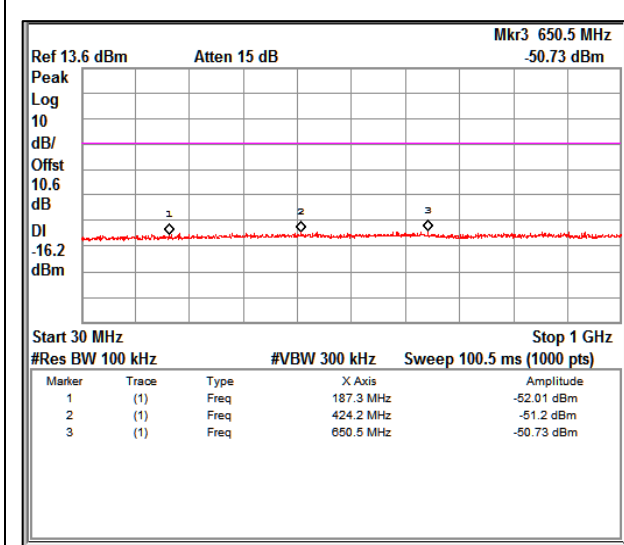
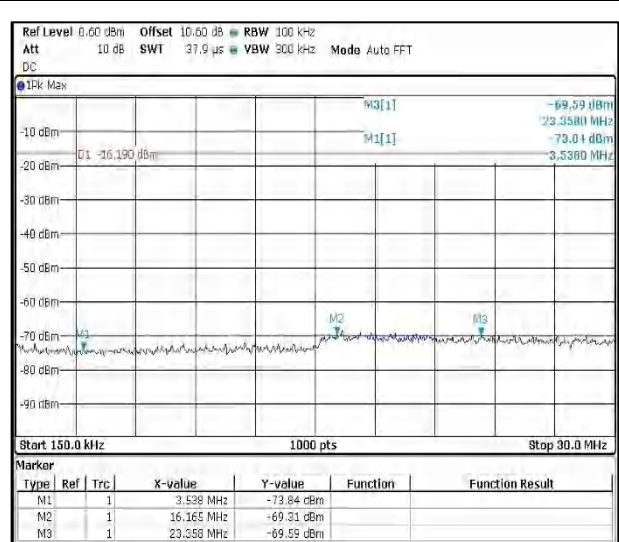
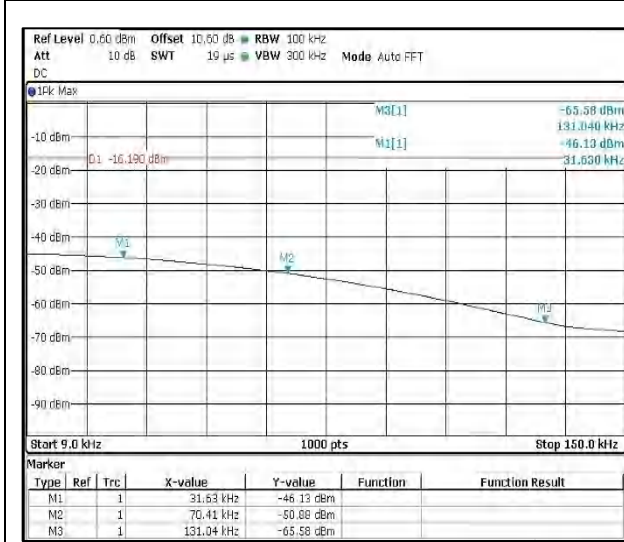
Channel Frequency: 2402MHz



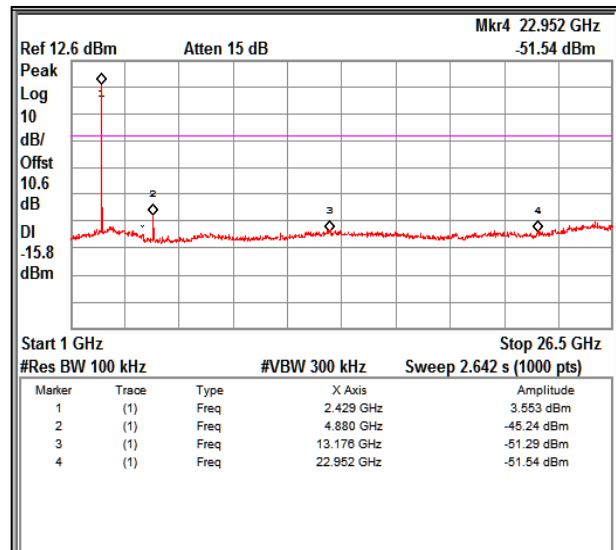
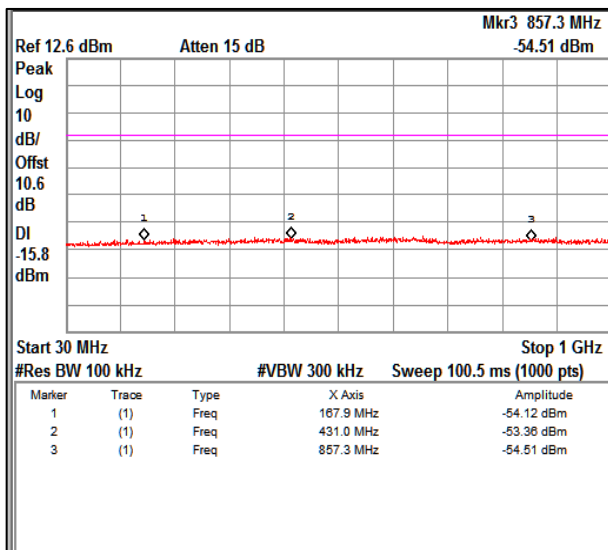
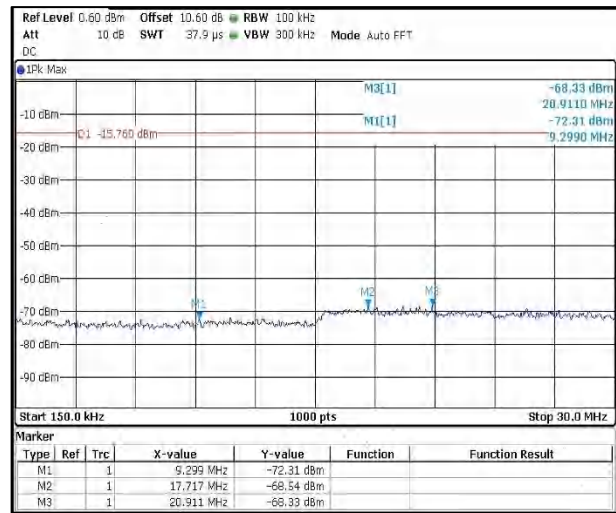
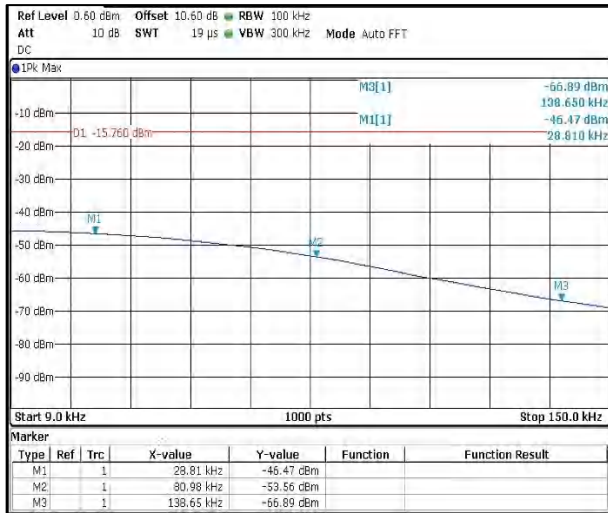
Channel Frequency: 2480MHz

**8.4.2 Out-Of-Band Emissions**

**Channel Frequency 2402MHz**



Channel Frequency 2440MHz

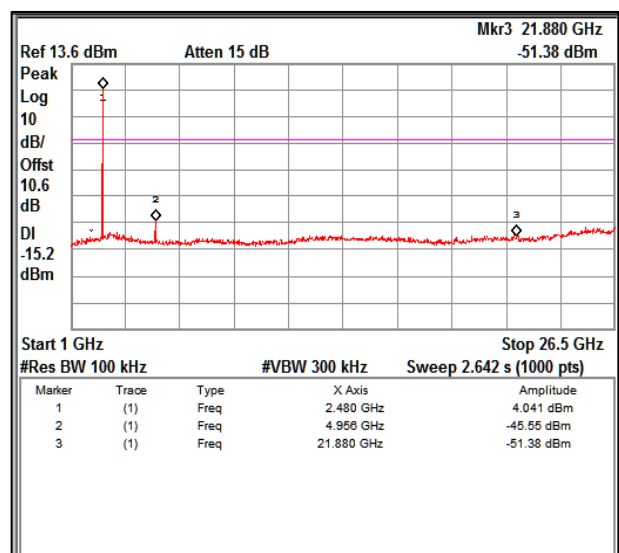
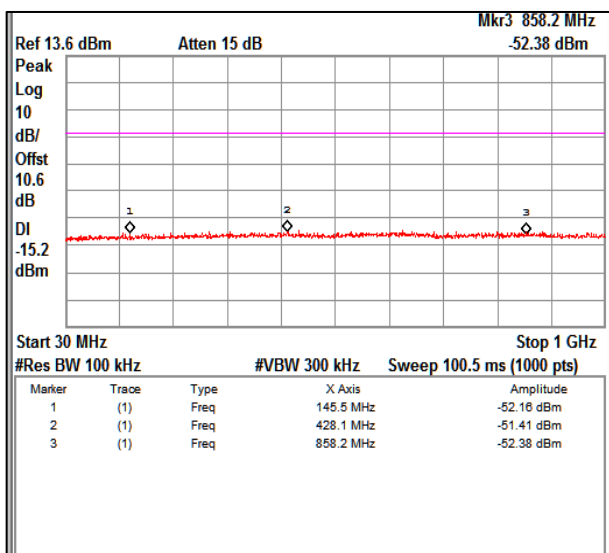
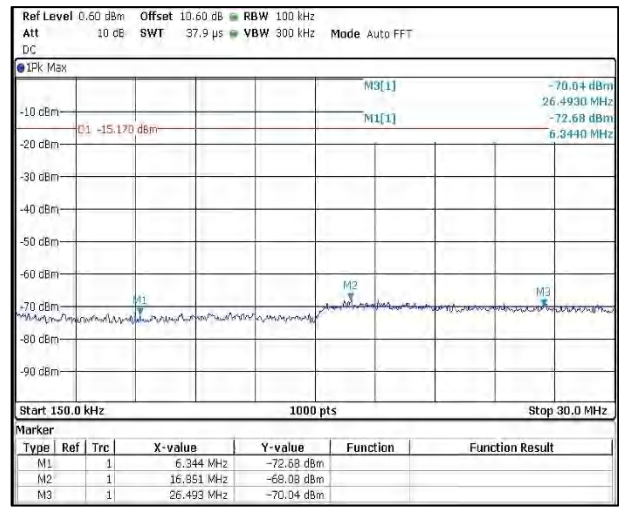
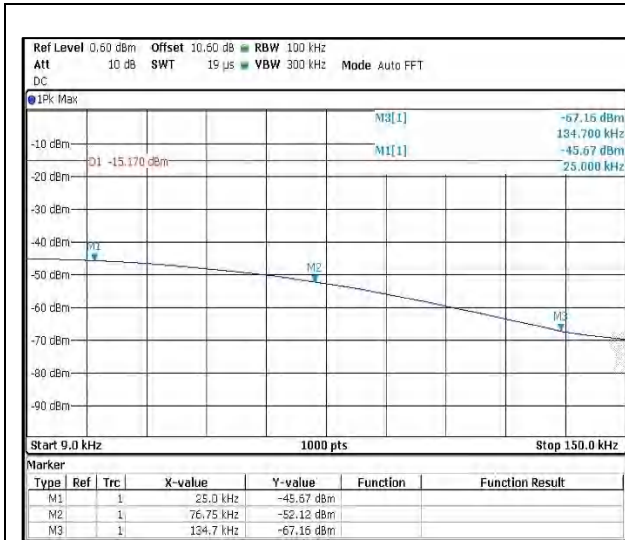


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Channel Frequency 2480MHz



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## 8.5 Spurious Radiated Emissions & Restricted Bands of Operation

### Result

### Pass

Test Specification	FCC part 15 Subpart C 15.247 (d) / (15.209 & 15.205) RSS-Gen Issue 5, Section 8.9 /8.10
Test Method	ANSI C63.10
Measurement Location	Semi Anechoic Chamber 30MHz - 1 GHz Fully Anechoic Chamber 1 GHz - 40GHz
Measurement Bandwidth	100 kHz for frequency range < 1GHz 1 MHz for Frequency range >1GHz
Detector	Refer remarks below
Measuring Distance	3 m
Requirement	As per the limits mentioned in the below table
Test setup	Refer TEST METHODOLOGY

**Table 8: Transmitter limits for Radiated emission**

Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Distance of Measurement (m)
0.009 – 0.490	2400/F(kHz)	48.50 – 13.80	300*
0.490 – 1.705	24000/F(kHz)	33.80 – 23.00	30*
1.705 -30	30	29.54.00	30*
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.00.0	3

Remark: \* The limit shows in the table above of frequency range 0.009 – 0.490, 0.490 – 1.705 MHz and 1.705-30MHz is at 300 meter, 30 meter and 30 meter range respectively, which corresponds to 128.51 – 93.80, 73.80 – 62.96 and 69.54.00 dBμV/m at 3m range by extrapolation calculation and the measurement of loop antenna.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

### Test Conditions:

Temperature (Norm) = + 22.6 °C

Voltage = 3.6V Li-Ion battery

Relative humidity = 62 %

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**ULR-TC568822300000100F**

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**Test results:**

Note: All the losses are included during measurement and final values are mentioned in the test report. Refer TEST METHODOLOGY for more details

**Test results for frequency range 9kHz – 30MHz**

No emissions found in frequency range 9 kHz to 30 MHz, and measured levels are below 20dB from the limit line, hence not reported

**Test results for frequency range 30MHz – 1GHz**

Vscan Air SL With Battery Mode: Cardiac

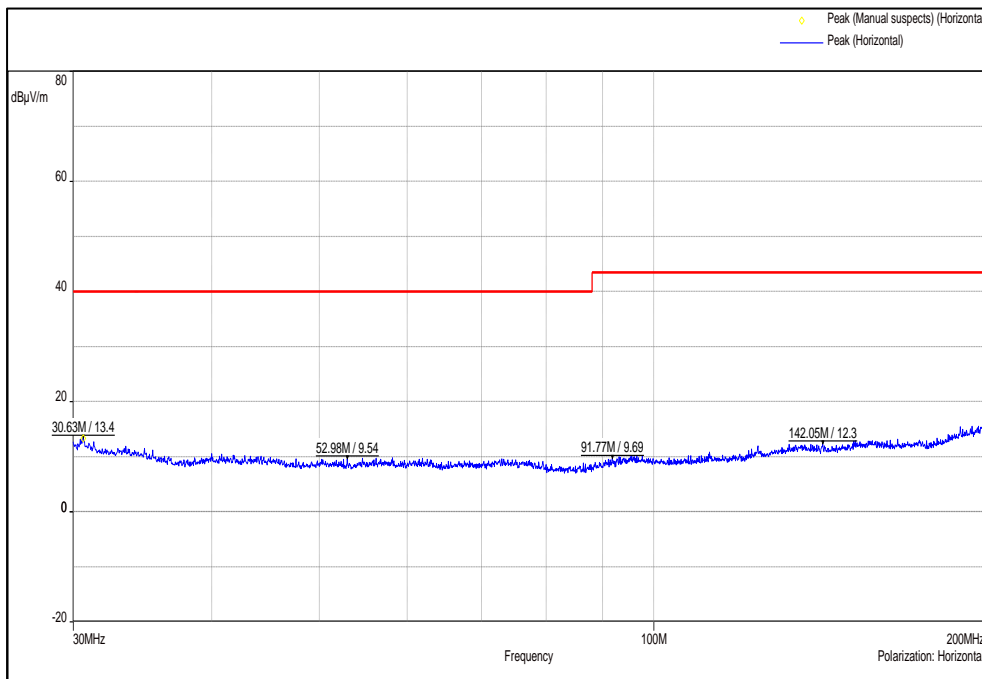
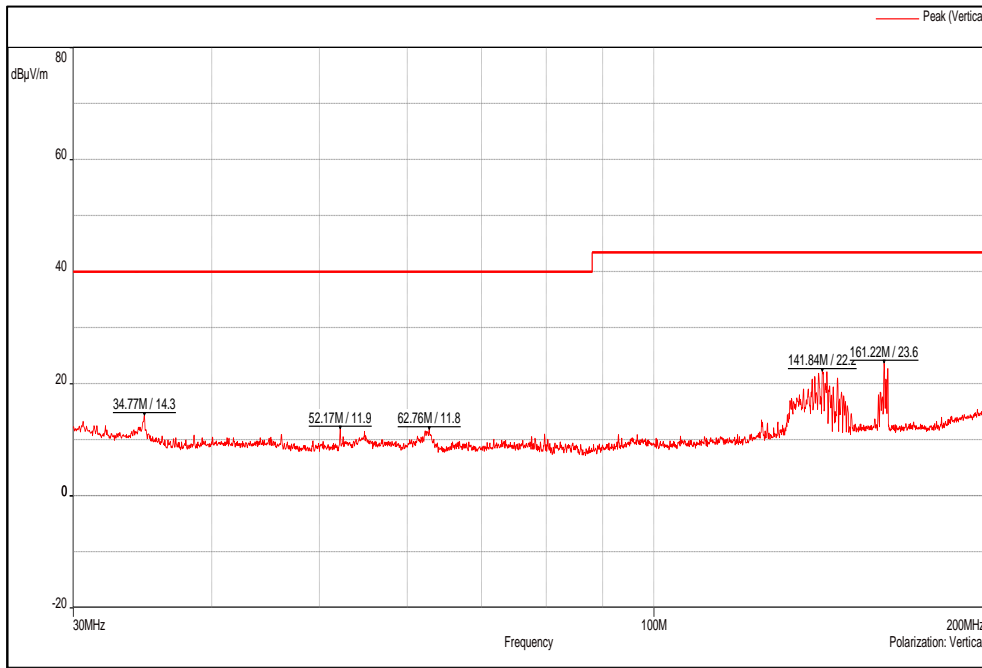
Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	34.77	14.28	40	-25.72
	52.17	11.91	40	-28.09
	62.76	11.77	40	-28.23
	141.84	22.20	43.5	-21.30
	161.22	23.63	43.5	-19.87
	288.11	17.29	46	-28.71
	364.31	18.47	46	-27.53
	495.20	21.82	46	-24.18
	709.88	26.05	46	-19.95
Horizontal	30.63	13.39	40	-26.61
	52.98	9.54	40	-30.46
	91.77	9.69	40	-30.31
	142.05	12.30	43.5	-31.20
	299.99	17.03	46	-28.97
	418.91	19.91	46	-26.09
	549.50	23.69	46	-22.31
	713.03	24.88	46	-21.12



**Prüfbericht - Nr.:**  
Test Report No.:

**IN22T1OT 001**  
**ULR-TC568822300000100F**

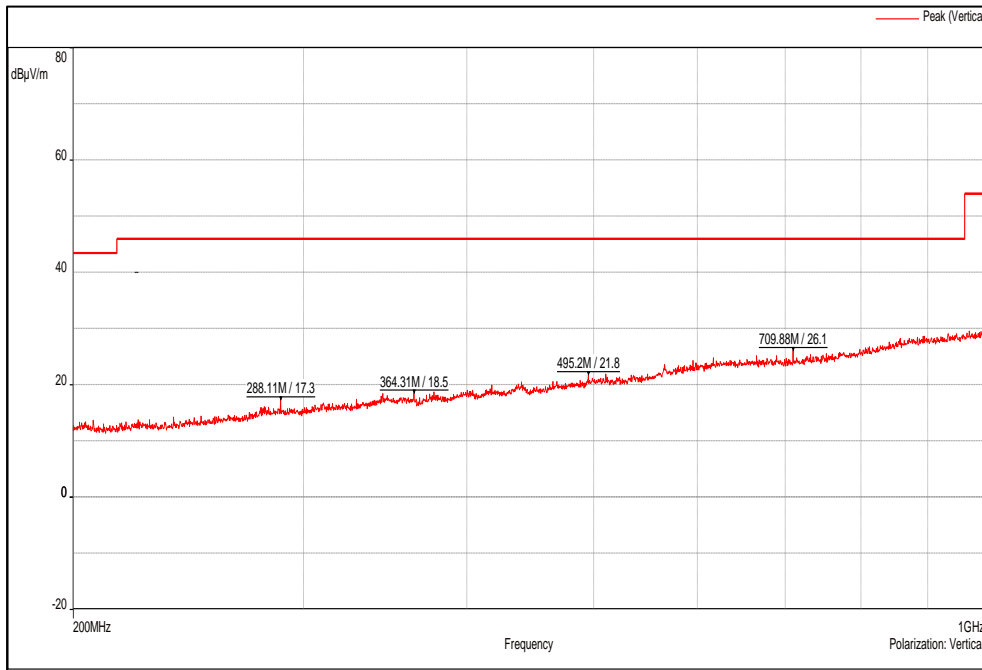
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Test Report No.:

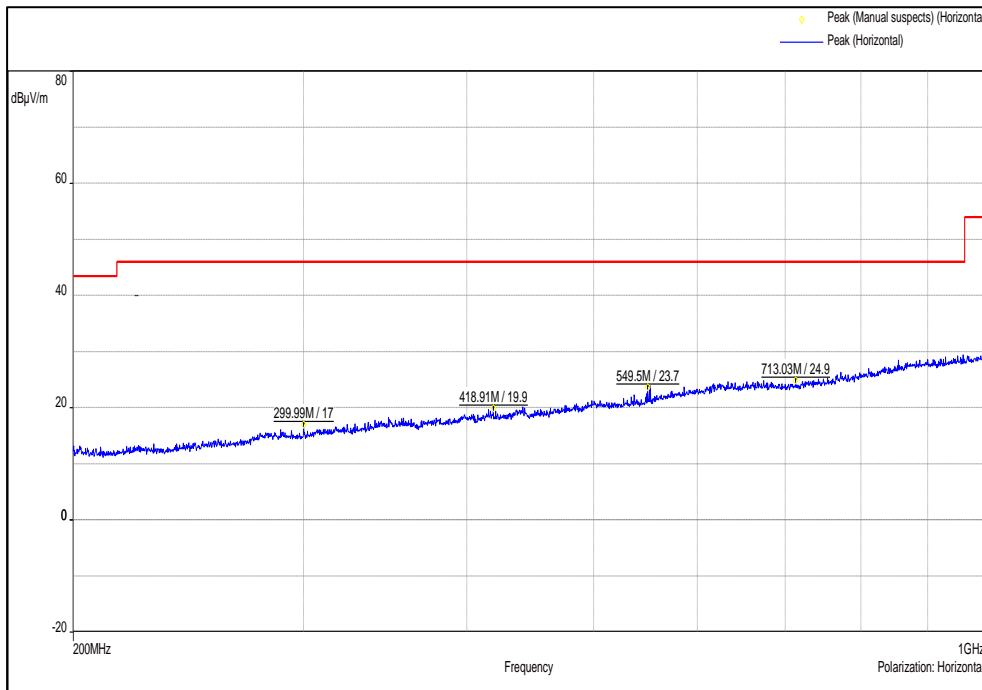
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

Polarization Horizontal

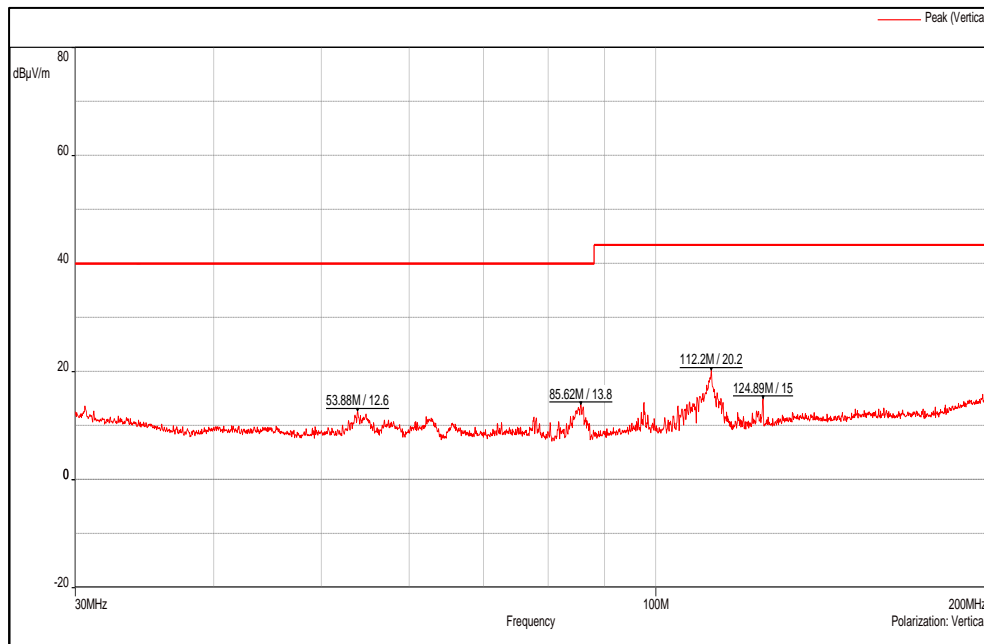
**Prüfbericht - Nr.:**  
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**Vscan Air SL With Battery Mode: Vascular**

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
Vertical	53.88	12.64	40	-27.36
	85.62	13.80	40	-26.20
	112.20	20.15	43.5	-23.35
	124.89	14.95	43.5	-28.55
	268.13	15.24	46	-30.76
	339.02	17.84	46	-28.16
	401.99	19.49	46	-26.51
	868.79	28.99	46	-17.01
Horizontal	34.32	11.91	40	-28.09
	56.49	10.19	40	-29.81
	95.49	10.47	43.5	-33.03
	194.34	15.32	43.5	-28.18
	343.13	18.11	46	-27.89
	439.97	20.26	46	-25.74
	626.81	24.81	46	-21.19
	853.55	28.34	46	-17.66



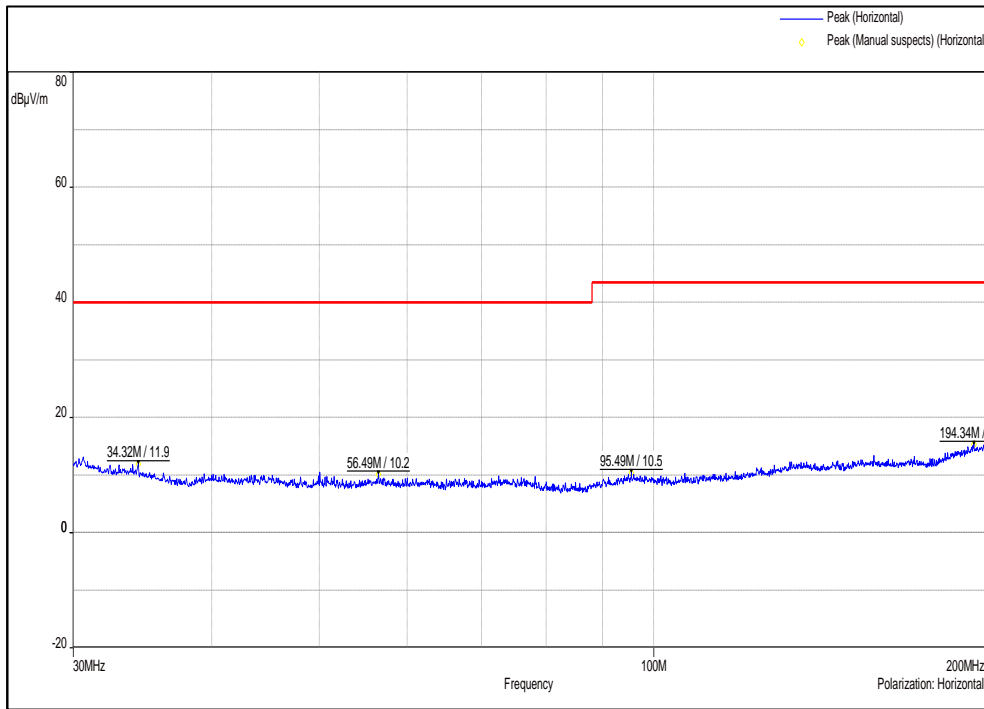
Channel Frequency 30MHz – 200MHz

Polarization Vertical

**Prüfbericht - Nr.:**  
Test Report No.:

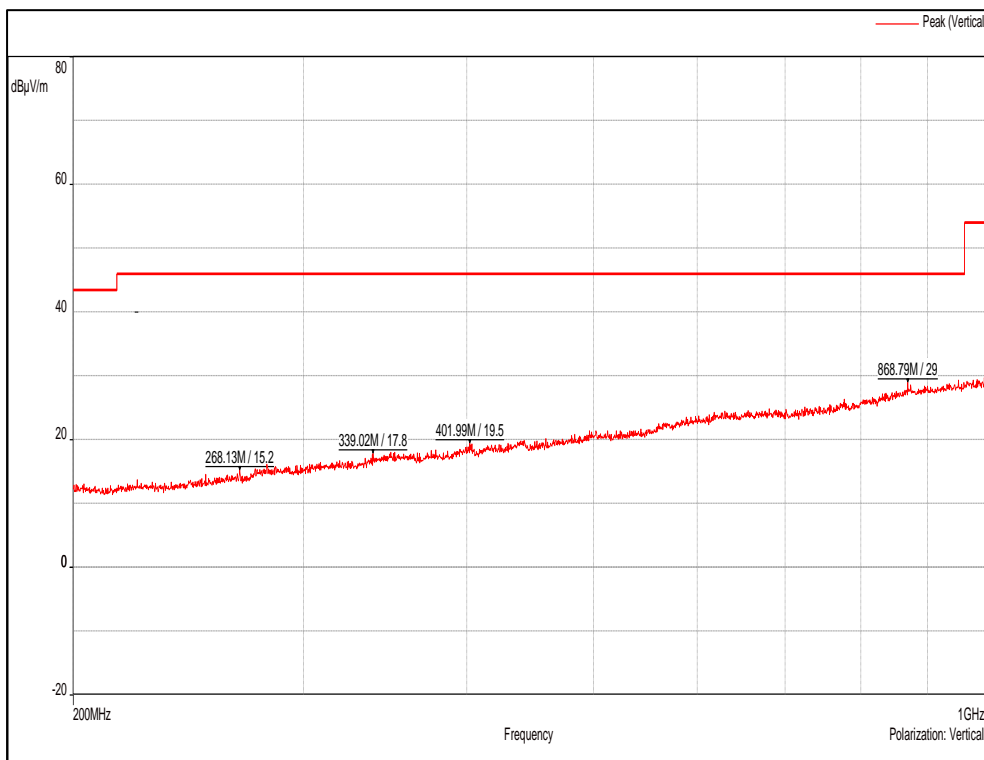
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 30MHz – 200MHz

Polarization Horizontal



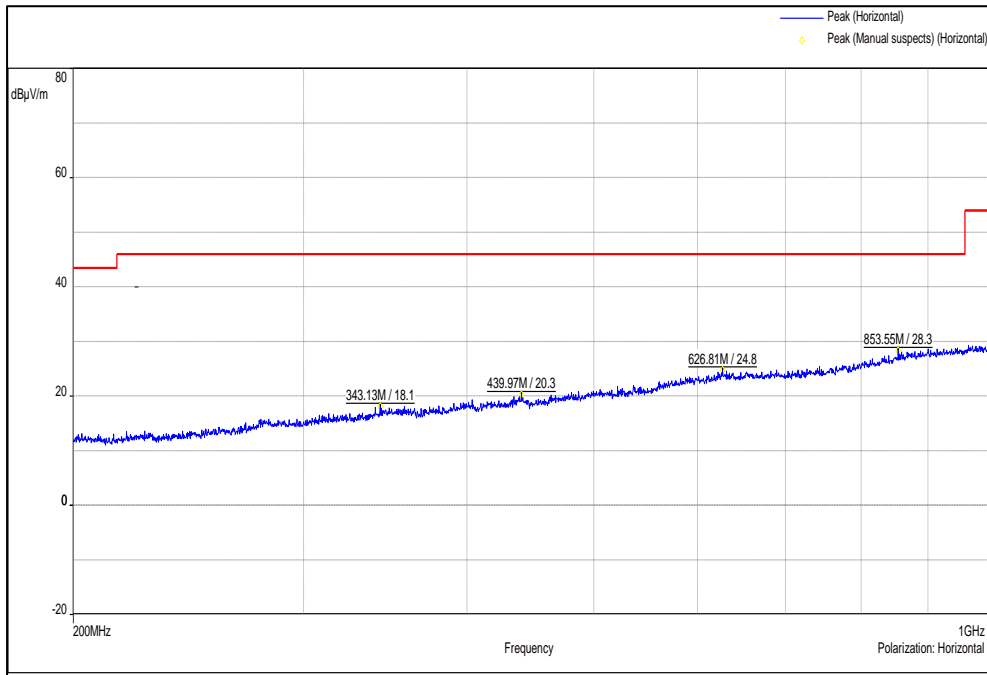
Channel Frequency 200MHz – 1GHz

Polarization Vertical

**Prüfbericht - Nr.:**  
Test Report No.:

**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 200MHz – 1GHz

Polarization Horizontal

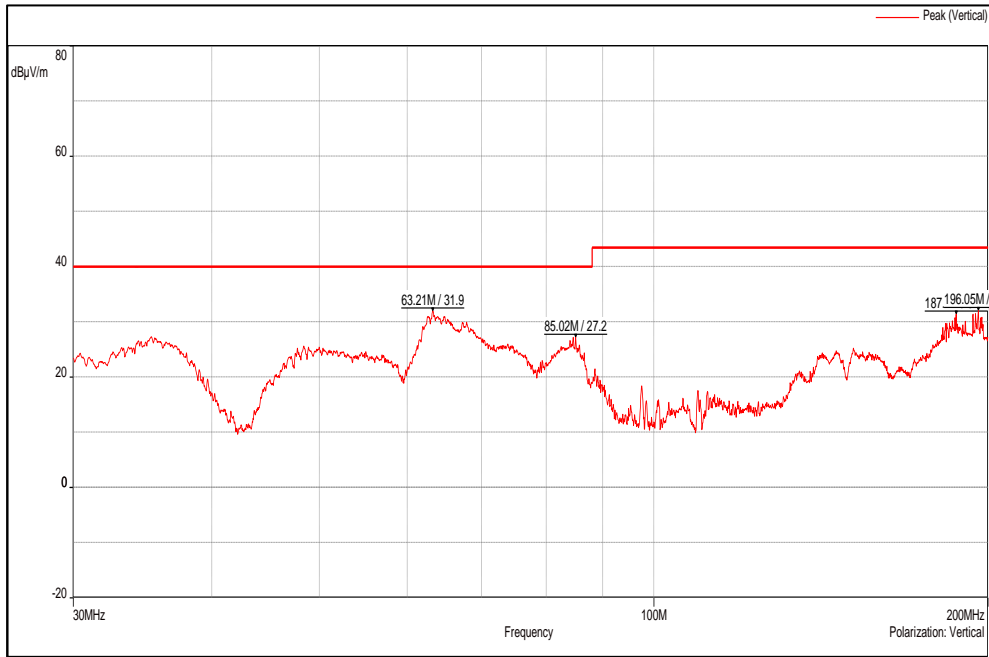
**Vscan Air SL With Charging Mode: XP Adapter + Vscan Air Charger**

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	63.21	31.95	40	-8.05
	85.02	27.16	40	-12.84
	187.20	31.39	43.5	-12.11
	208.01	29.96	43.5	-13.54
	256.13	26.43	46	-19.57
	546.50	29.41	46	-16.59
	662.69	33.67	46	-12.33
	680.27	32.26	46	-13.74
Horizontal	63.15	22.70	40	-17.30
	191.64	34.55	43.5	-8.95
	201.92	28.78	43.5	-14.72
	258.62	27.40	46	-18.60
	400.58	25.55	46	-20.45
	687.20	28.95	46	-17.05
	930.35	31.91	46	-14.09

**Prüfbericht - Nr.:**  
Test Report No.:

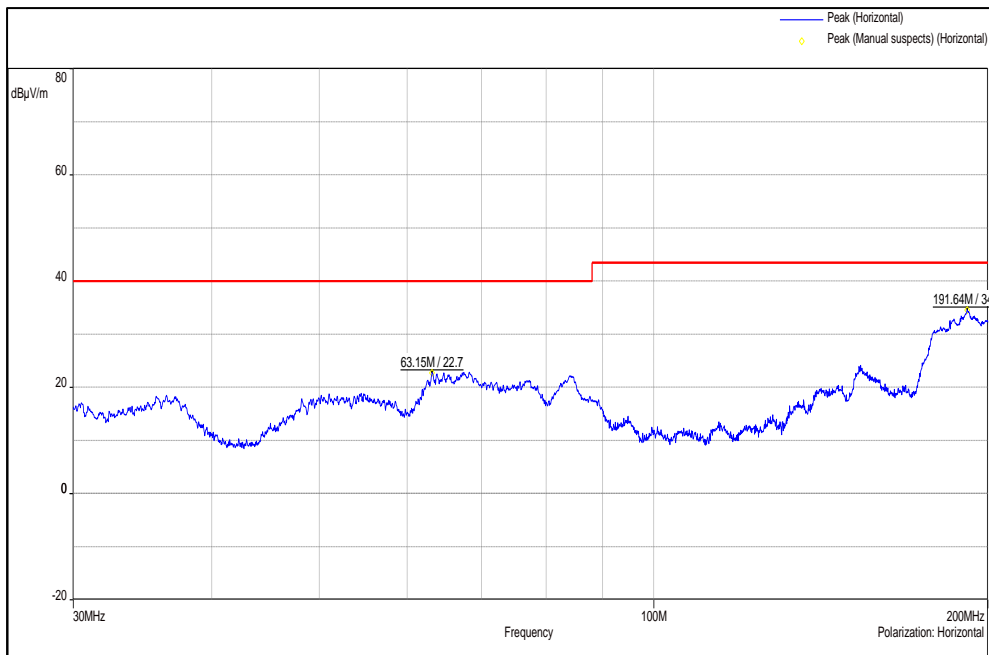
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 30MHz – 200MHz

Polarization Vertical



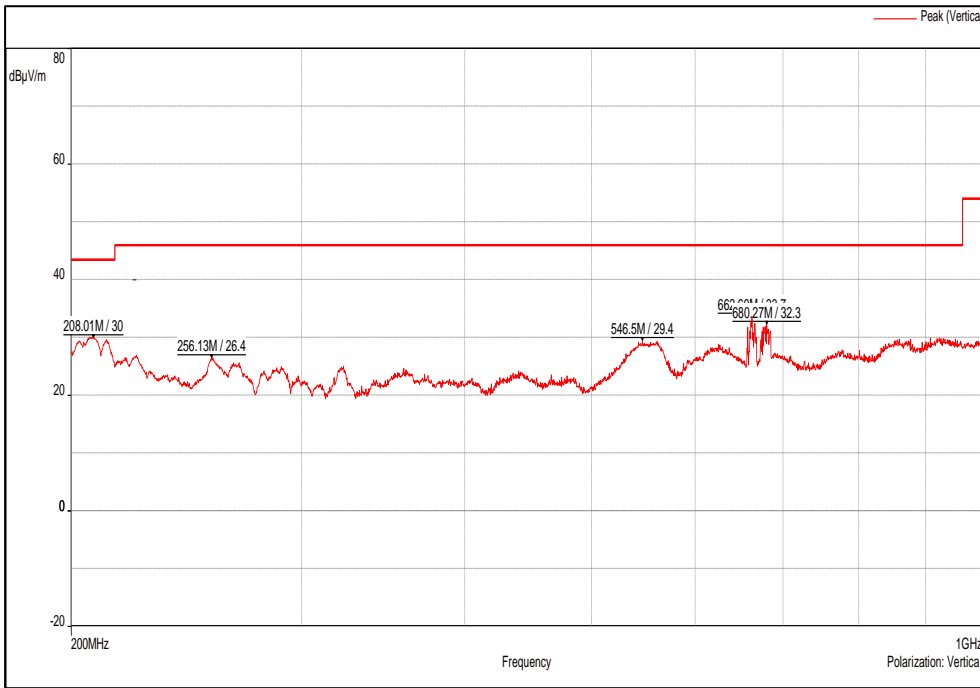
Channel Frequency 30MHz – 200MHz

Polarization Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

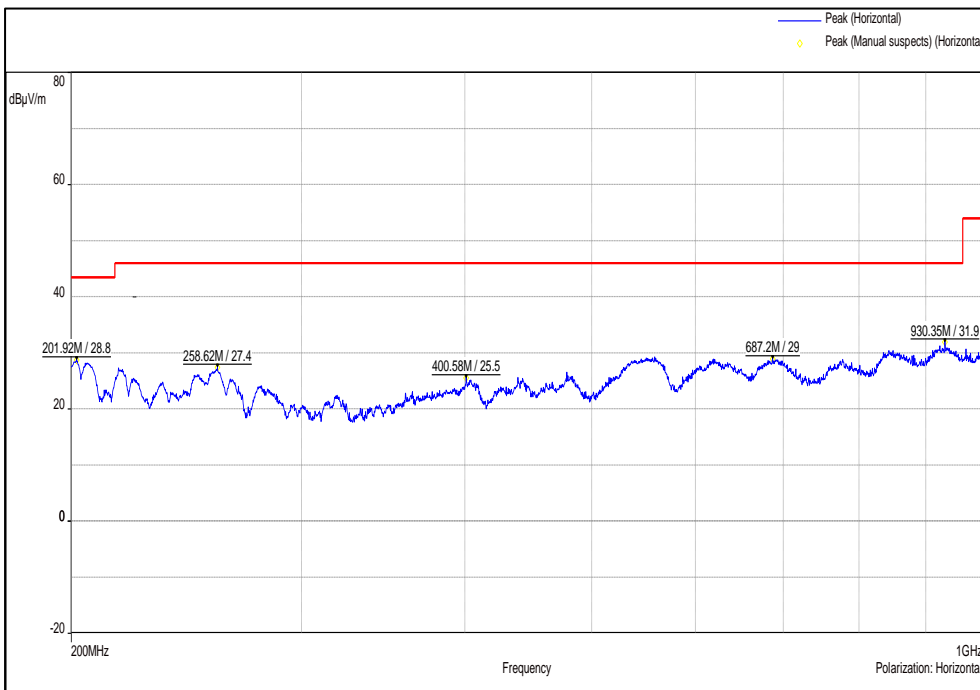
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

Polarization Horizontal

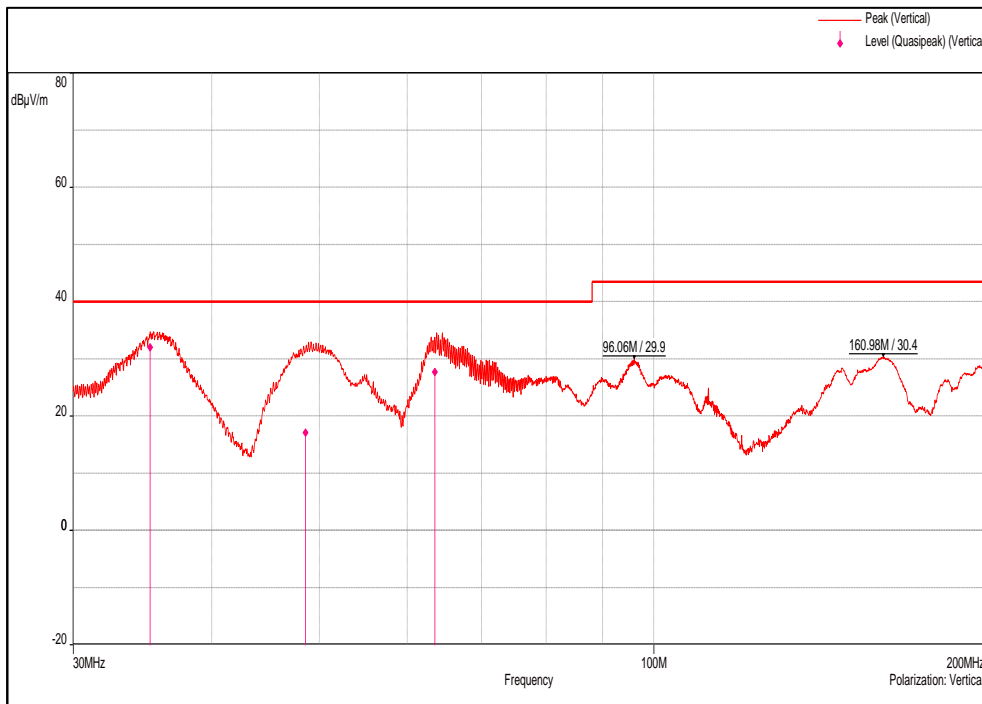
**Prüfbericht - Nr.:**  
Test Report No.:

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**Vscan Air SL With Charging Mode: GlobTek Power Adapter + Vscan Air Charger**

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	35.19	32.07	40	-7.93
	48.56	17.06	40	-22.94
	63.49	27.71	40	-12.29
	96.06	29.90	43.5	-13.60
	160.98	30.40	43.5	-13.10
	202.37	27.76	46	-18.24
	256.25	24.08	46	-21.92
	558.71	26.17	46	-19.83
	619.85	27.46	46	-18.54
	771.47	27.76	46	-18.24
Horizontal	95.64	31.70	43.5	-11.80
	196.92	34.98	43.5	-8.52
	202.49	28.53	43.5	-14.97
	253.43	30.16	46	-15.84
	548.00	25.87	46	-20.13
	630.11	28.11	46	-17.89



Channel Frequency 30MHz – 200MHz

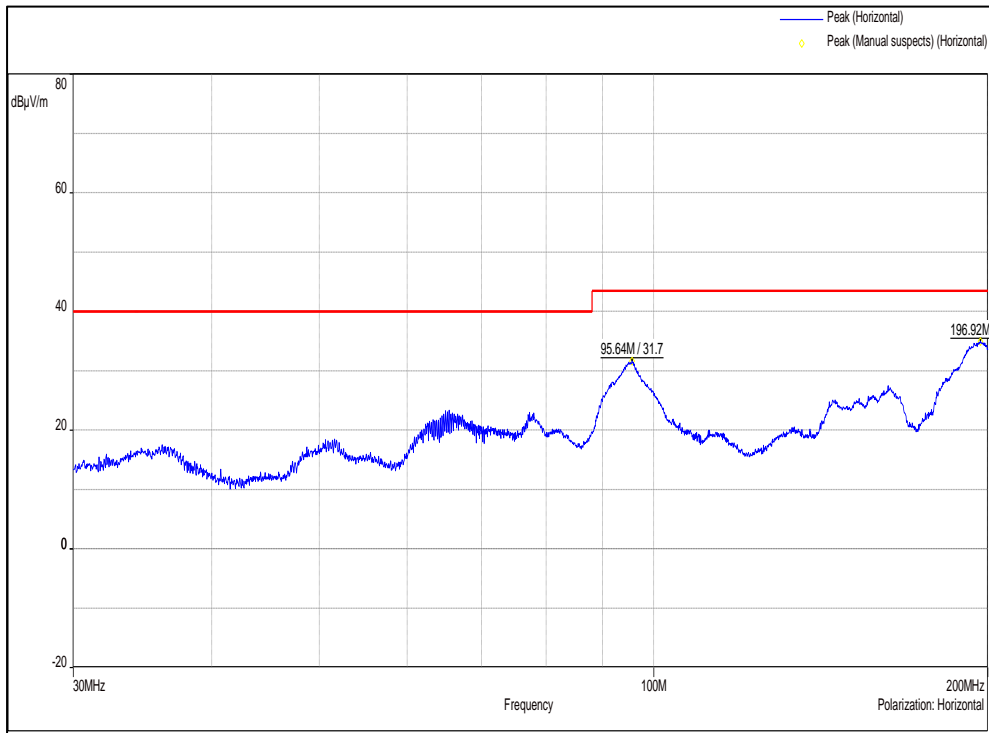
Polarization Vertical



**Prüfbericht - Nr.:**  
Test Report No.:

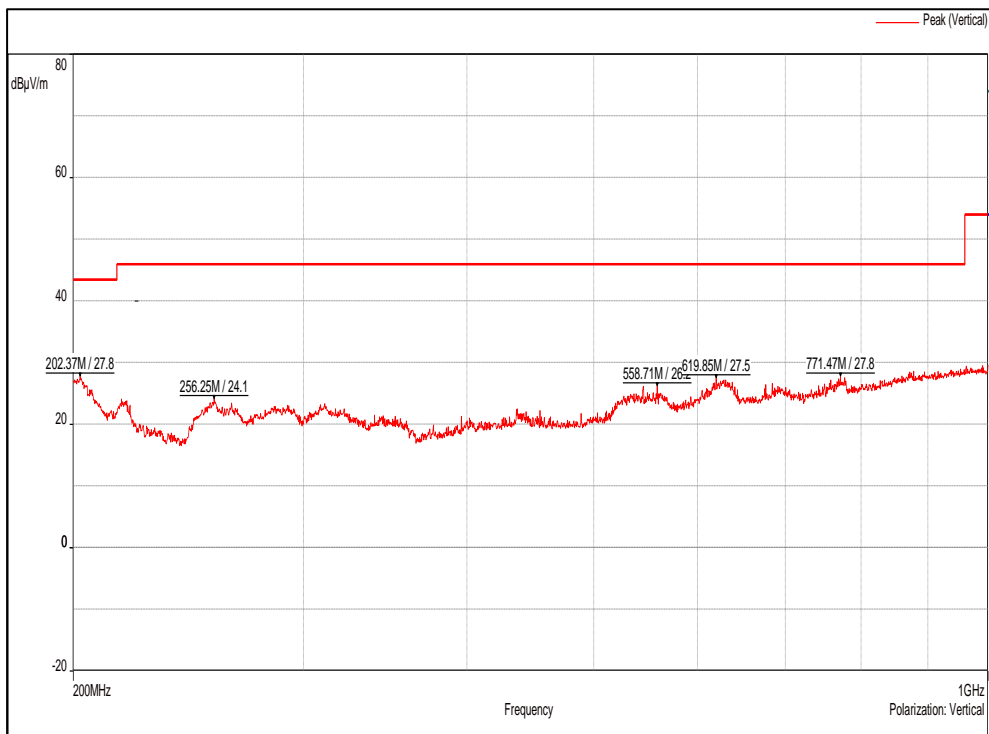
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**ULR-TC568822300000100F**

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Channel Frequency 30MHz – 200MHz

Polarization Horizontal



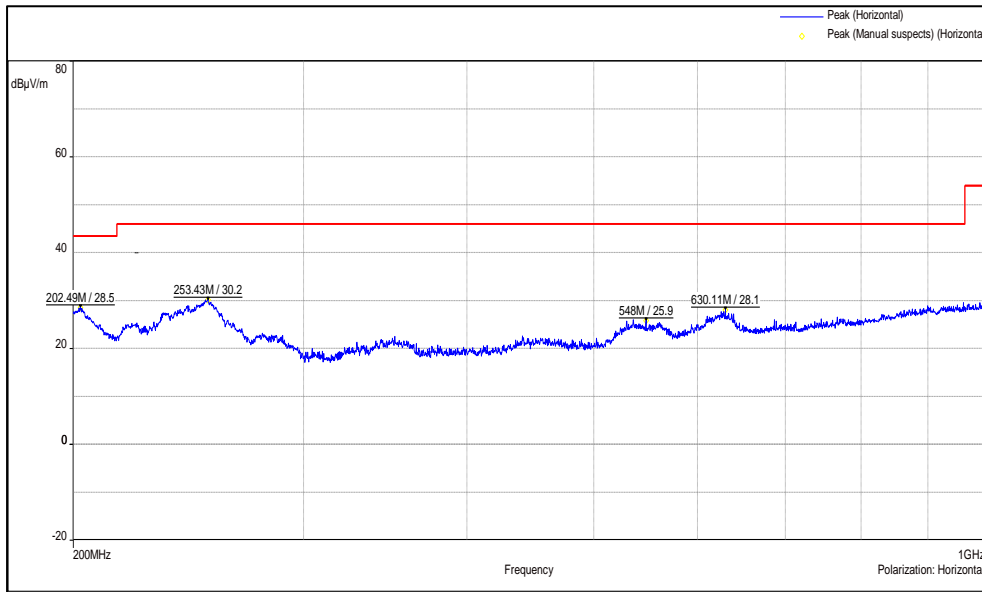
Channel Frequency 200MHz – 1GHz

Polarization Vertical

**Prüfbericht - Nr.:**  
Test Report No.:

**IN22T1OT 001**  
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Channel Frequency 200MHz – 1GHz

Polarization Horizontal

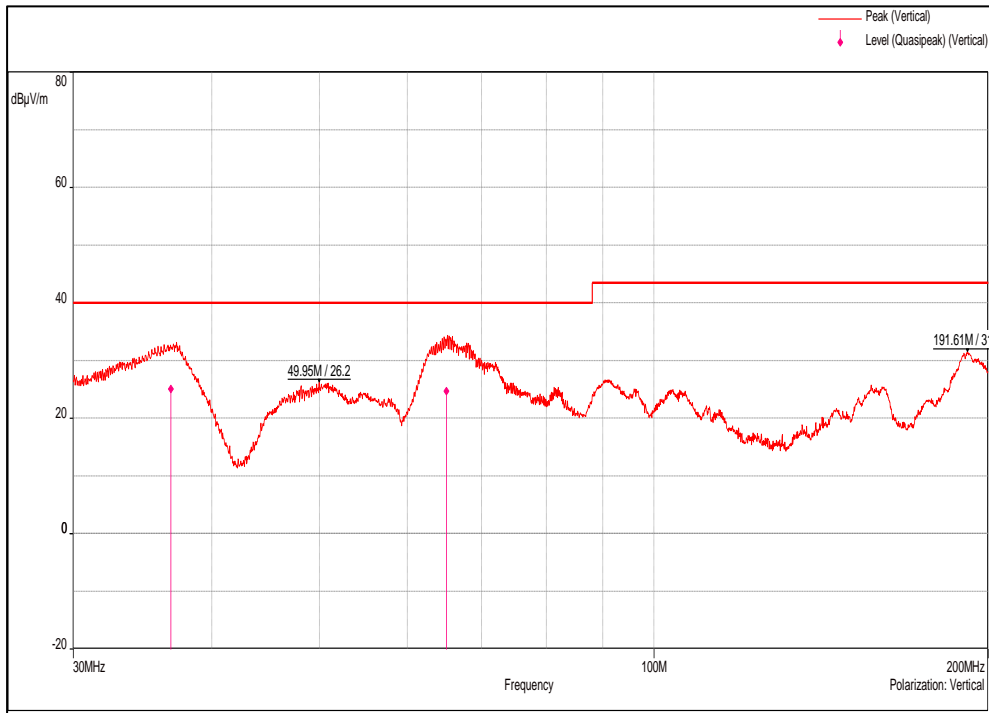
**Vscan Air SL With Charging Mode: XP Power Adapter + Anker Charger Pad**

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	36.714(Qp)	25.12	40	-14.88
	65.016(Qp)	24.68	40	-15.32
	49.95	26.17	40	-13.83
	191.61	31.46	43.5	-12.04
	202.52	31.94	43.5	-11.56
	324.49(Qp)	15.14	46	-30.86
	359.83(Qp)	13.42	46	-32.58
Horizontal	39.42	28.86	40	-11.14
	61.60(Qp)	6.04	40	-33.96
	66.69	28.44	40	-11.56
	156.81	24.31	43.5	-19.19
	192(Qp)	32.58	43.5	-10.92
	203.81	30.89	43.5	-12.61
	290.03	26.66	46	-19.34
	463.64	26.54	46	-19.46
	611.15	26.86	46	-19.14
	808.82	28.50	46	-17.50

**Prüfbericht - Nr.:**  
Test Report No.:

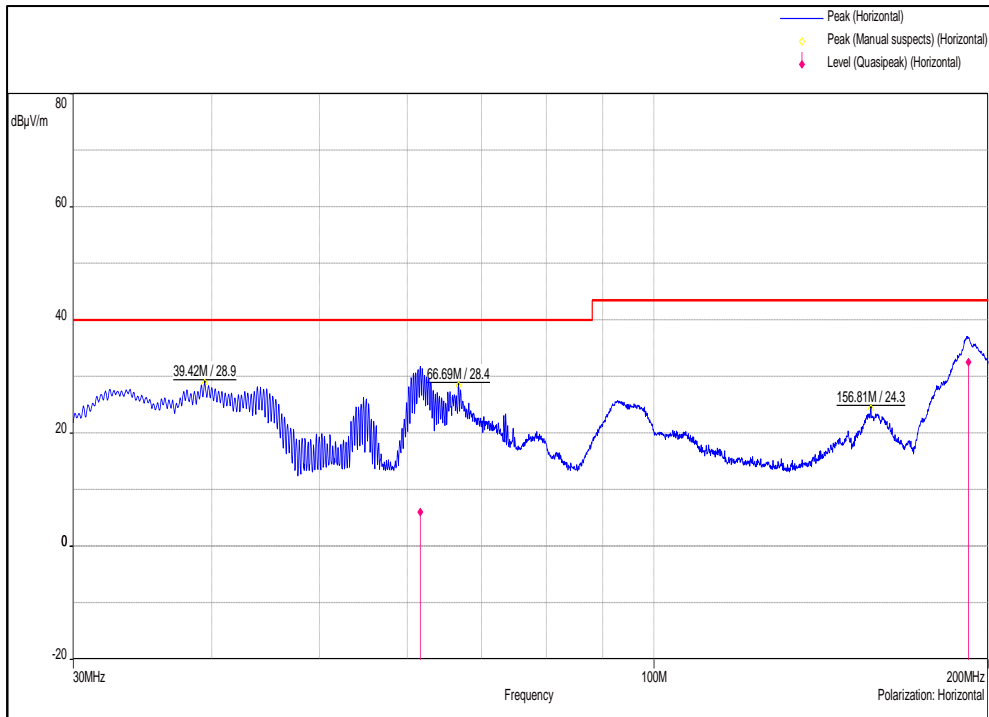
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 30MHz – 200MHz

Polarization Vertical



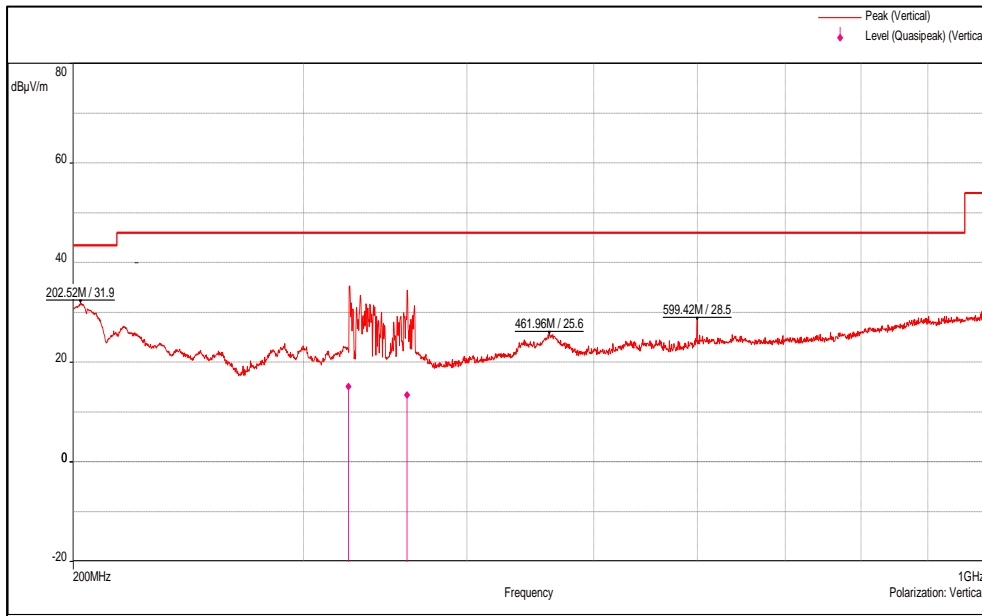
Channel Frequency 30MHz – 200MHz

Polarization Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

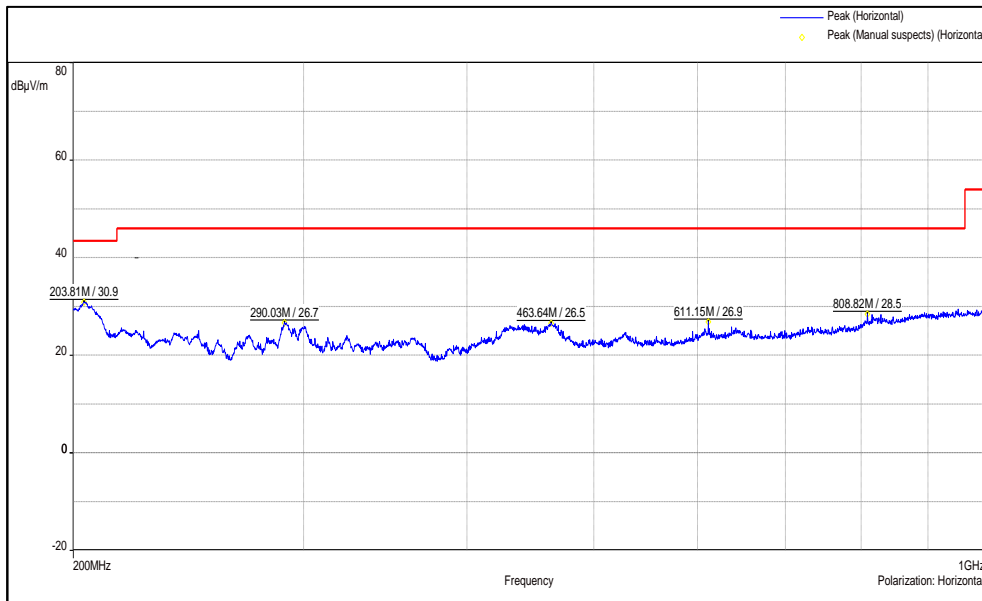
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

Polarization Horizontal

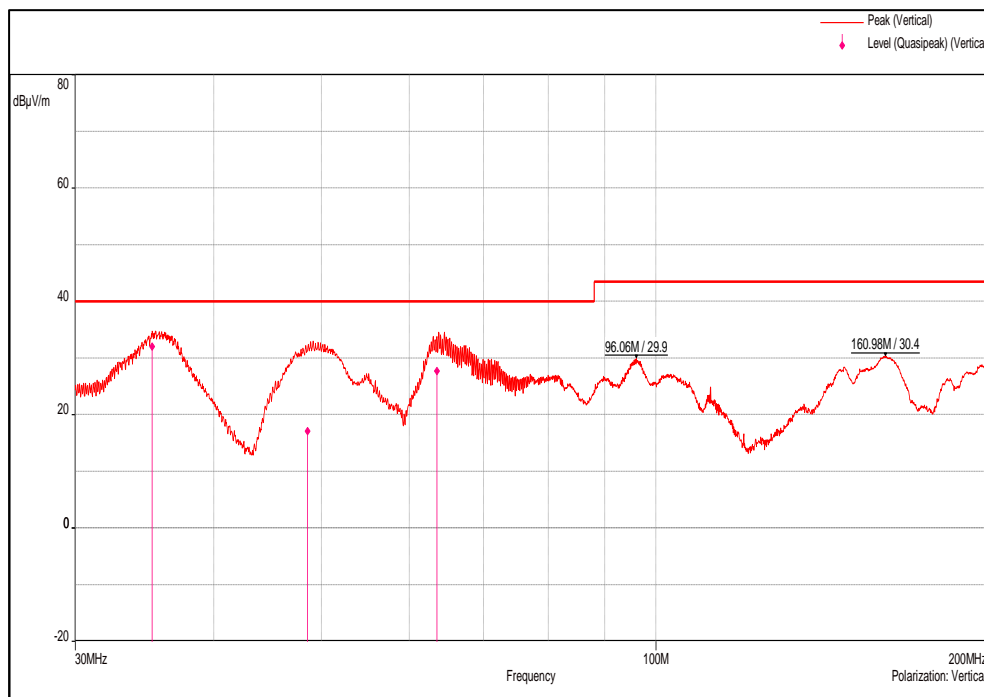
**Prüfbericht - Nr.:**  
Test Report No.:

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**ULR-TC568822300000100F**

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**Vscan Air SL With Charging Mode: GlobTek Power Adapter + Anker Charger Pad**

Antenna Polarization	Measured Frequency (MHz)	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	35.196(Qp)	32.07	40	-7.93
	48.564(Qp)	17.06	40	-22.94
	63.498(Qp)	27.71	40	-12.29
	96.06	29.93	43.5	-13.57
	160.98	30.38	43.5	-13.12
	210.20	31.69	43.5	-11.81
	413.30	28.32	46	-17.68
	483.26	27.11	46	-18.89
	765.65	33.27	46	-12.73
	800.39	32.00	46	-14.00
Horizontal	95.64	31.69	43.5	-11.81
	196.92	34.98	43.5	-8.52
	205.76	32.77	43.5	-10.73
	246.74	28.73	46	-17.27
	279.95	28.29	46	-17.71
	494.87	25.77	46	-20.23



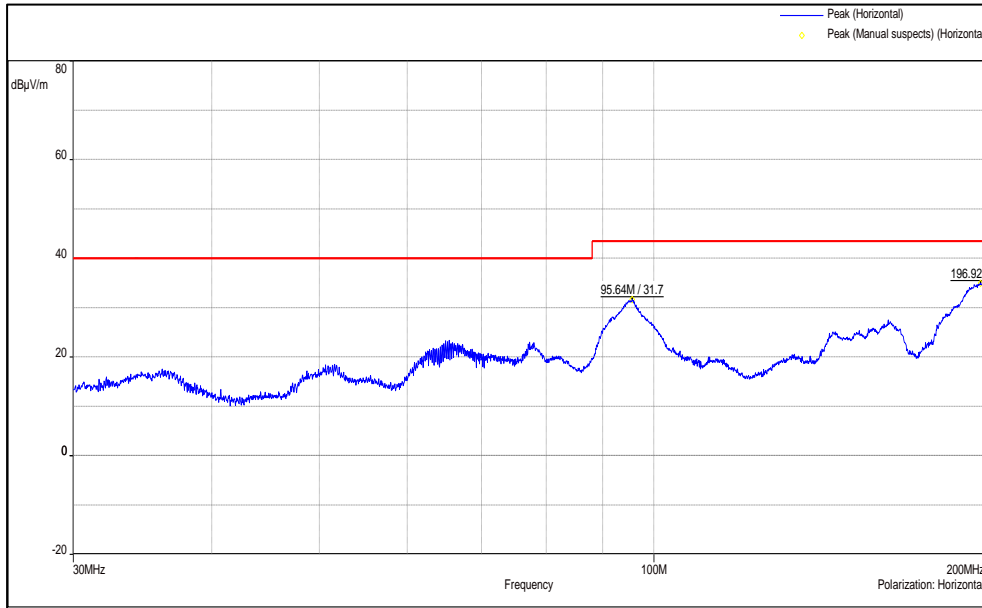
Channel Frequency 30MHz – 200MHz

Polarization Vertical

**Prüfbericht - Nr.:**  
Test Report No.:

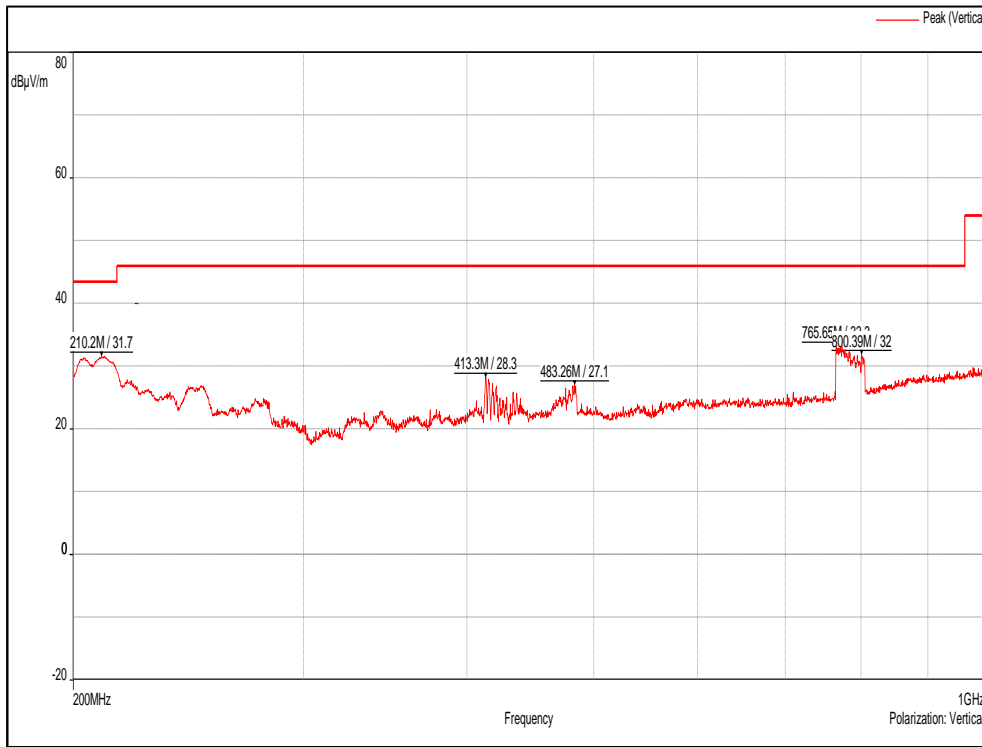
**IN22T1OT 001**  
**ULR-TC568822300000100F**

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Channel Frequency 30MHz – 200MHz

Polarization Horizontal



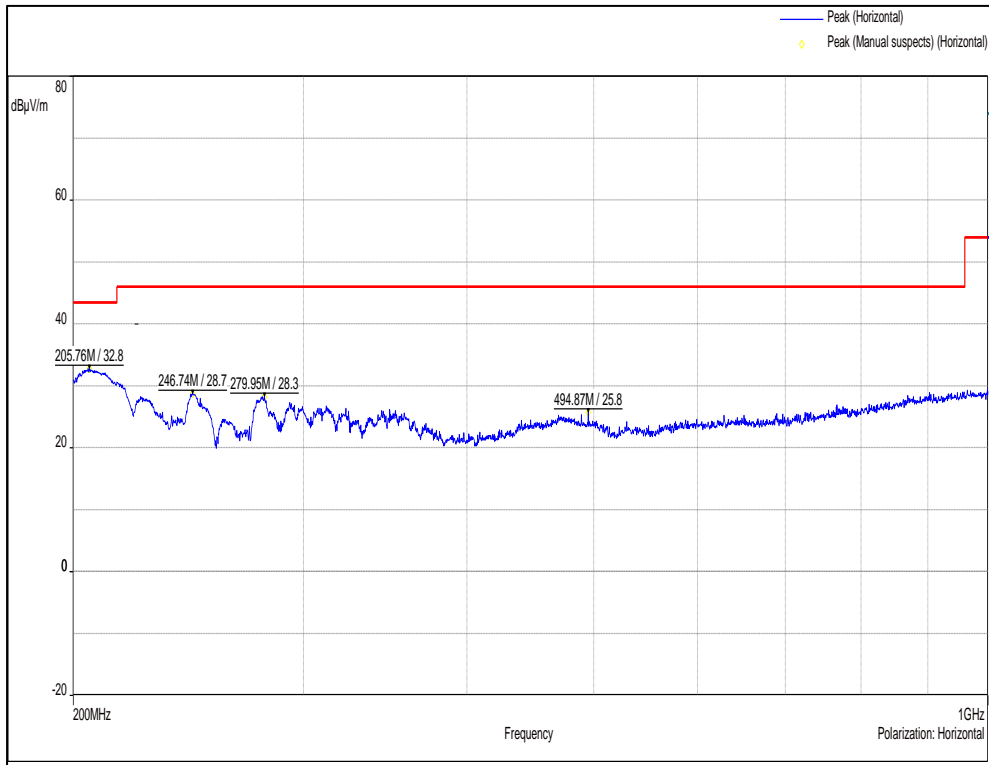
Channel Frequency 200MHz – 1GHz

Polarization Vertical

**Prüfbericht - Nr.:**  
Test Report No.:

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Channel Frequency 200MHz – 1GHz

Polarization Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

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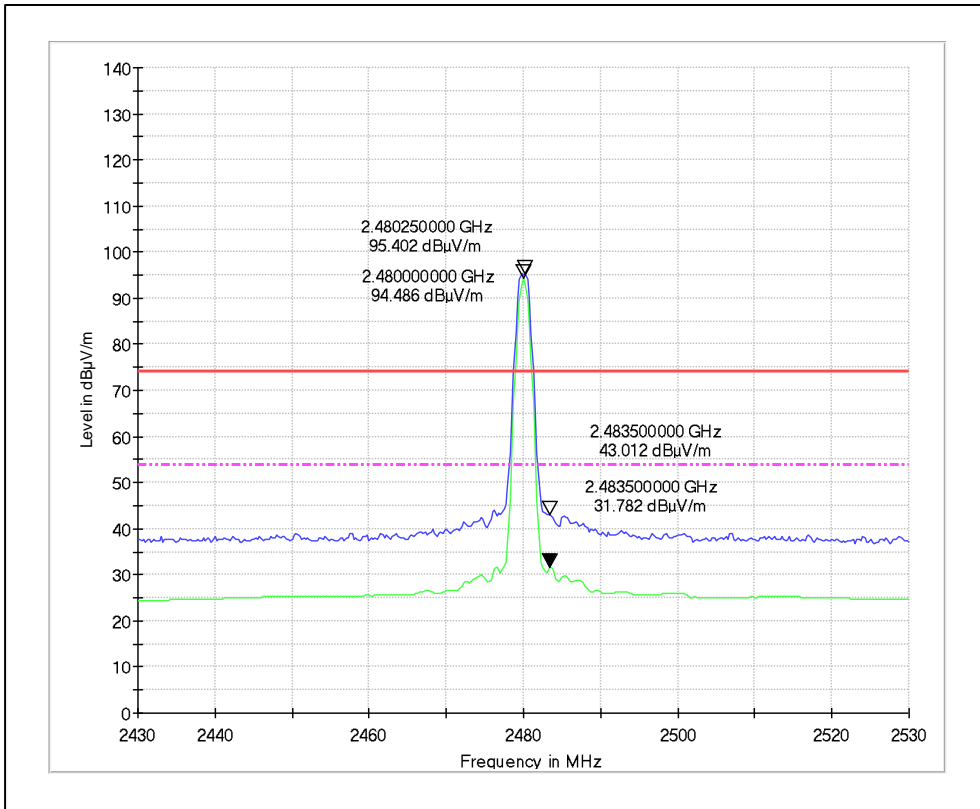
**Test results for the frequencies above 1GHz**

**Data rate: 1Mbps**

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2402	2402(Pk)	Vertical	96.18	-	-
	2402(Av)		95.30	-	-
	2390(Pk)		42.83	74*	-31.17
	2390(Av)		30.55	54*	-23.45
	4804(Pk)		41.21	74	-32.79
	4804(Av)		29.78	54	-24.22
	7206(Pk)		45.92	74	-28.08
	7206(Av)		34.72	54	-19.28
	2402(Pk)	Horizontal	101.91	-	-
	2402(Av)		101.03	-	-
	2390(Pk)		44.14	74*	-29.86
	2390(Av)		31.80	54*	-22.20
	4804(Pk)		40.93	74	-33.07
	4804(Av)		28.94	54	-25.06
	7206(Pk)		45.95	74	-28.05
	7206(Av)		34.30	54	-19.70
2440	2440(Pk)	Vertical	94.04	-	-
	2440(Av)		93.14	-	-
	4880(Pk)		44.60	74	-29.40
	4880(Av)		33.25	54	-20.75
	7320(Pk)		46.25	74	-27.75
	7320(Av)		34.54	54	-19.46
	2440(Pk)	Horizontal	101.39	-	-
	2440(Av)		100.45	-	-
	4880(Pk)		41.89	74	-32.11
	4880(Av)		31.00	54	-23.00
2480	7320(Pk)	Horizontal	46.78	74	-27.22
	7320(Av)		34.49	54	-19.51
	2480(Pk)	Vertical	95.40	-	-
	2480(Av)		94.48	-	-
	2483.5(Pk)		43.01	74*	-30.99
	2483.5(Av)		31.78	54*	-22.22
	4960(Pk)		50.06	74	-23.94
	4960(Av)		44.27	54	-9.73
	7440(Pk)		46.18	74	-27.82
	7440(Av)		34.77	54	-19.23
	2480(Pk)	Horizontal	101.91	-	-
	2480(Av)		100.98	-	-
	2483.5(Pk)		47.88	74*	-26.12
	2483.5(Av)		34.12	54*	-19.88
4960(Pk)	47.27		74	-26.73	
4960(Av)	39.81		54	-14.19	
7440(Pk)	47.51	74	-26.49		
7440(Av)	34.74	54	-19.26		

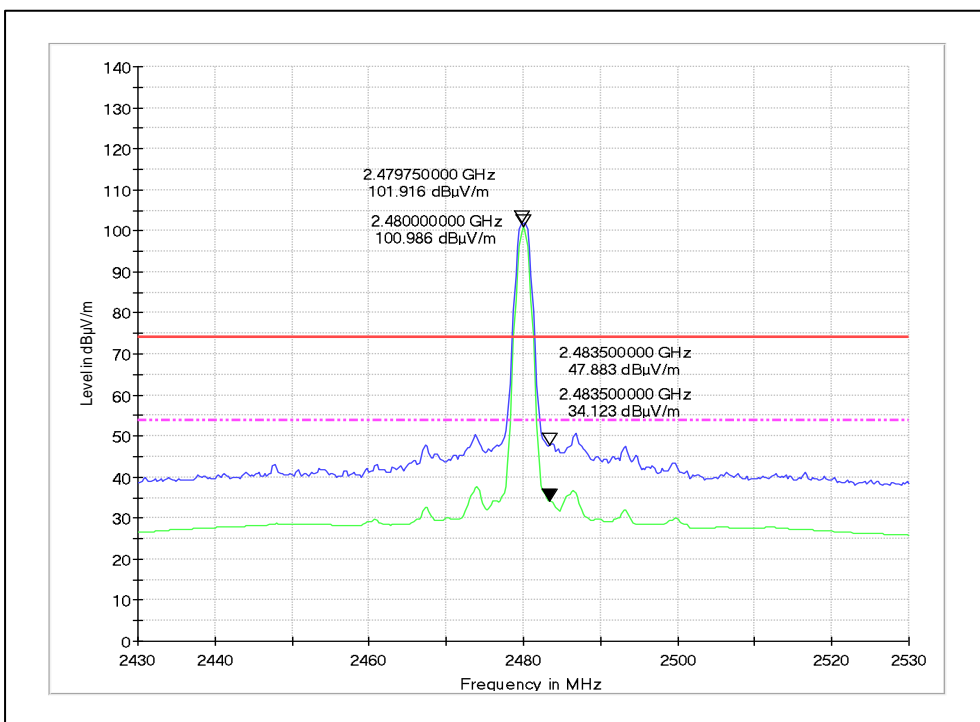


**Channel Frequency 2480MHz**



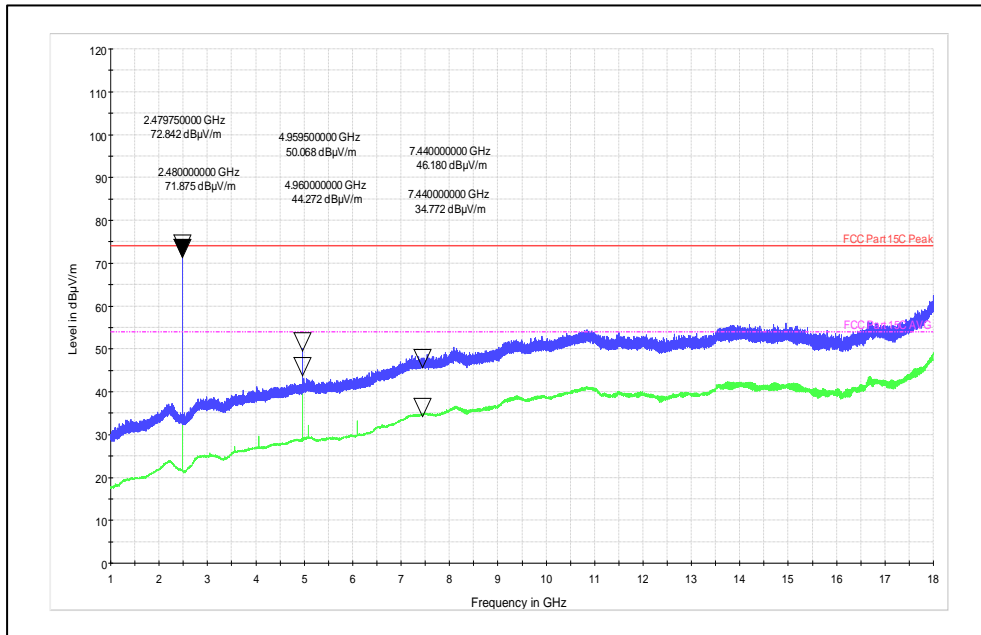
Channel Frequency: 2480MHz

Polarization: Vertical



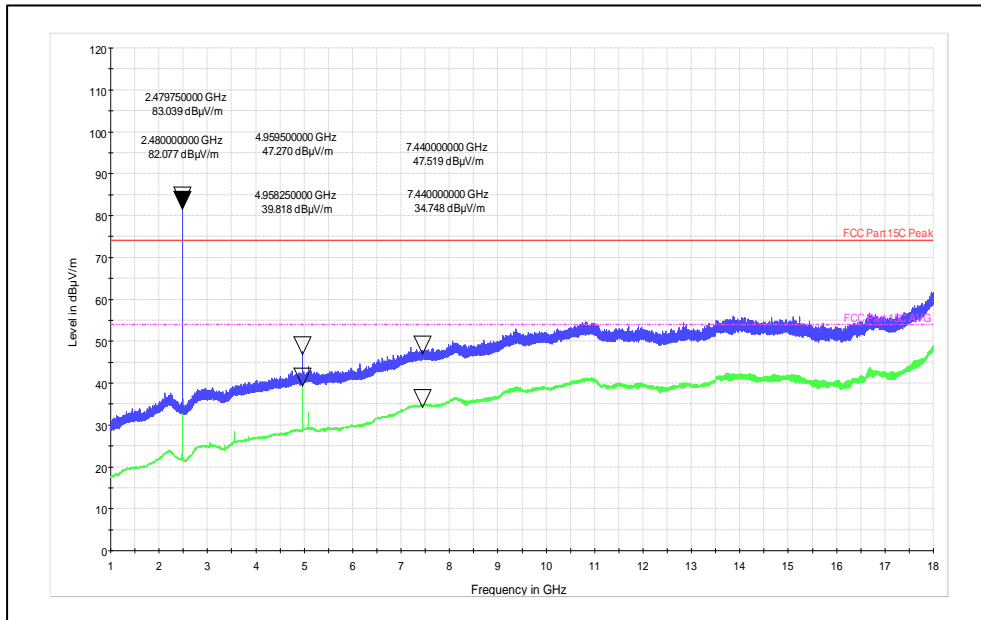
Channel Frequency: 2480MHz

Polarization: Horizontal



Channel Frequency: 1 - 18 GHz

Polarization: Vertical



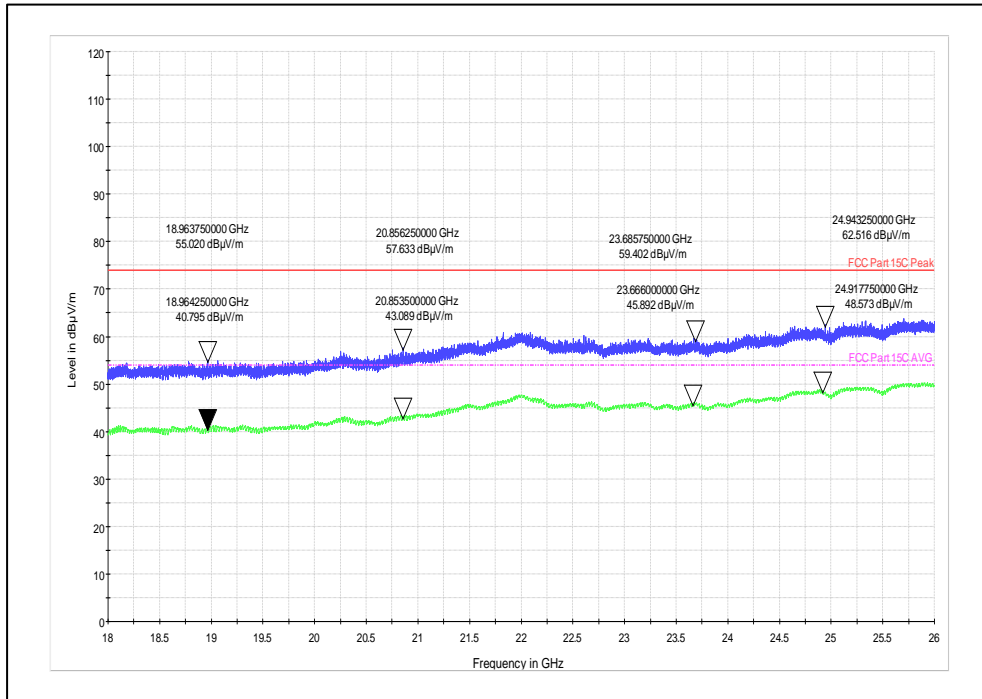
Channel Frequency: 1 - 18 GHz

Polarization: Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

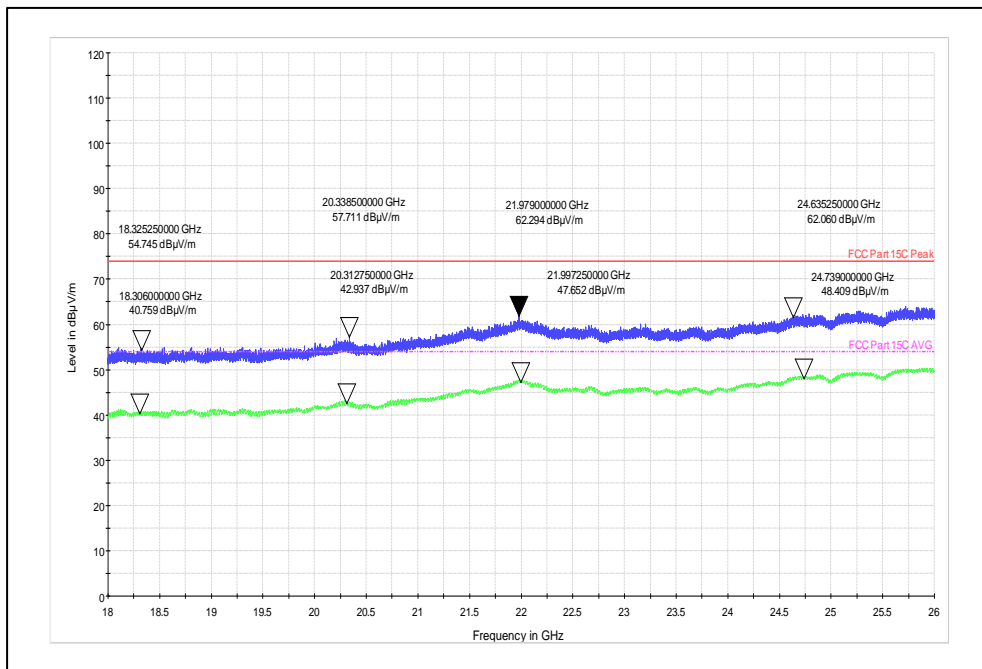
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**ULR-TC568822300000100F**

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Channel Frequency: 18 - 26 GHz

Polarization: Vertical



Channel Frequency: 18 - 26 GHz

Polarization: Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

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## 8.6 Conducted Spurious Emission Test on AC Power Line

**Result**

**Pass**

Test Specification : FCC Part 15 Section 15.207 / RSS Gen Issue 5 Section 8.8  
 Test Method : ANSI C 63.10-2013  
 Testing Location : Screened room  
 Measurement Bandwidth : 9kHz  
 Frequency Range : 150kHz – 30MHz  
 Supply Voltage : 110VAC,60Hz  
 Test Method : Refer TEST METHODOLOGY

**\*Note: The product has tested with AC to DC adapter**

### Limits of section 15.207

Frequency of emission (MHz)	Conducted limit (dBµV)	
	Quasi-peak (dBµV)	Average (dBµV)
0.15-0.5	66-56*	56-46*
0.5-5	56	46
5-30	60	50

\* Decreases with the logarithm of the frequency

### Test Conditions:

Normal Temperature = +22.6°C

Voltage (V norm) = 3.6V Li-Ion battery

Relative Humidity = 64%

**Prüfbericht - Nr.:**  
Test Report No.:

**IN22T1OT 001**  
**ULR-TC568822300000100F**

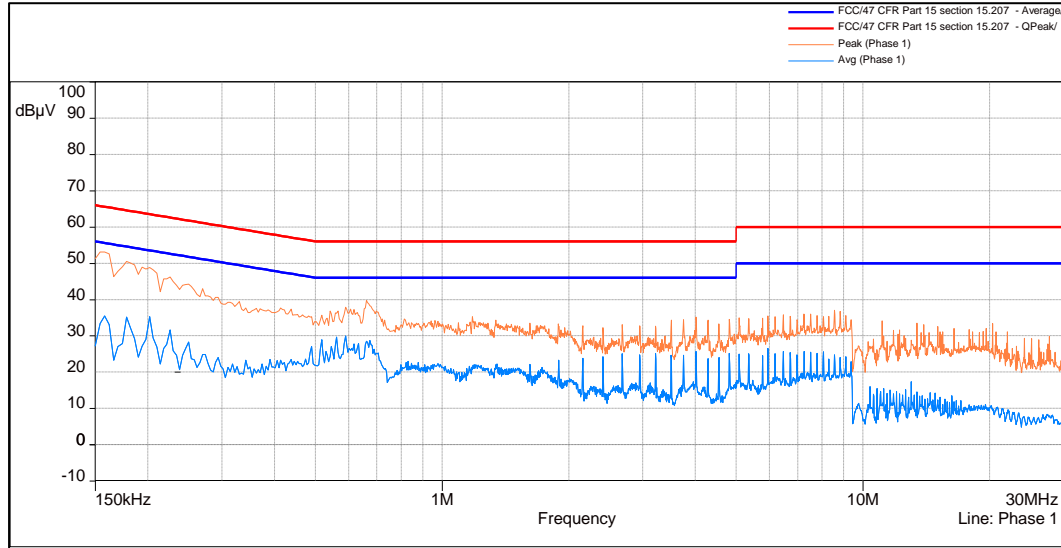
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**Test result:**

**XP Adapter with V-Scan Pad:-**

**Power: 110V 60Hz\_LINE**

**Line:-**



**Line Graph**

**Quasipeak:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.5891	33.39	56	-22.61	Phase 1	9k	Pass	19.54
0.66155	31.73	56	-24.27	Phase 1	9k	Pass	19.55
0.15315	33.25	65.78	-32.54	Phase 1	9k	Pass	19.55
0.18895	30.14	64.04	-33.9	Phase 1	9k	Pass	19.52
0.24235	27.54	62.03	-34.49	Phase 1	9k	Pass	19.49
11.11135	21.59	60	-38.41	Phase 1	9k	Pass	19.6
8.0459	17.65	60	-42.35	Phase 1	9k	Pass	19.58
3.4867	12.84	56	-43.16	Phase 1	9k	Pass	19.57
2.1656	12.37	56	-43.63	Phase 1	9k	Pass	19.57
5.9312	16.37	60	-43.63	Phase 1	9k	Pass	19.57

**Average:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.5891	29.9	46	-16.1	Phase 1	9k	Pass	19.54
0.66155	24.86	46	-21.14	Phase 1	9k	Pass	19.55
11.11135	10.7	50	-39.3	Phase 1	9k	Pass	19.6
3.4867	6.16	46	-39.84	Phase 1	9k	Pass	19.57
0.24235	11.4	52.03	-40.63	Phase 1	9k	Pass	19.49
2.1656	5.36	46	-40.64	Phase 1	9k	Pass	19.57
8.0459	8.65	50	-41.35	Phase 1	9k	Pass	19.58
0.18895	12.47	54.04	-41.57	Phase 1	9k	Pass	19.52
5.9312	8.08	50	-41.92	Phase 1	9k	Pass	19.57
0.15315	12.24	55.78	-43.55	Phase 1	9k	Pass	19.55

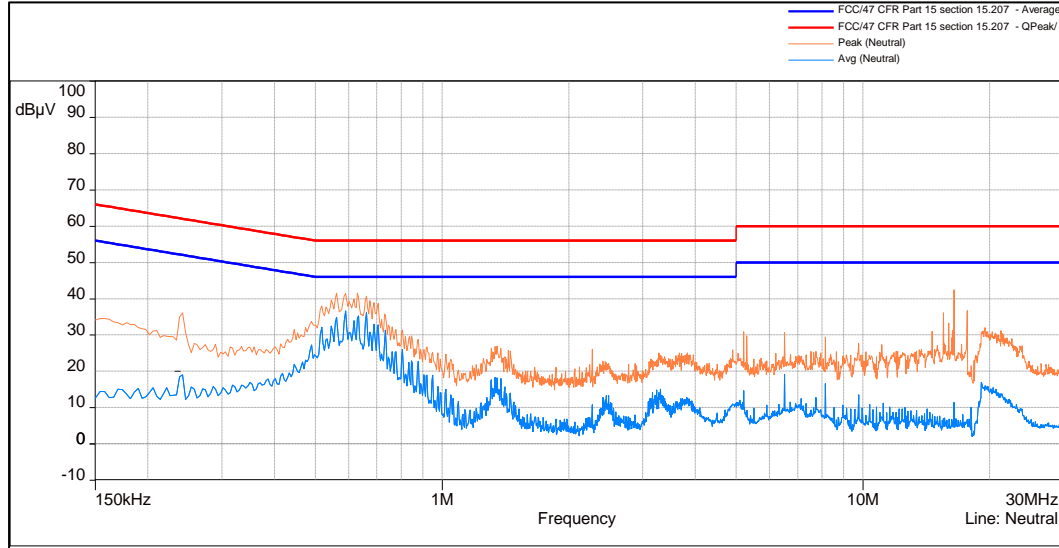
**Prüfbericht - Nr.:**  
Test Report No.:

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Power: 110V 60Hz\_Neutral

Neutral:-



Neutral Graph

Quasipeak:-

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.5891	39.56	56	-16.44	Neutral	9k	Pass	19.55
0.73315	33.96	56	-22.04	Neutral	9k	Pass	19.56
1.3383	23.07	56	-32.93	Neutral	9k	Pass	19.59
0.24515	26.17	61.89	-35.72	Neutral	9k	Pass	19.48
2.44335	17.55	56	-38.45	Neutral	9k	Pass	19.57
5.2105	20.64	60	-39.36	Neutral	9k	Pass	19.57
8.14155	17.21	60	-42.79	Neutral	9k	Pass	19.58
11.0798	16.22	60	-43.78	Neutral	9k	Pass	19.61
16.4545	14	60	-46	Neutral	9k	Pass	19.66
19.5239	13.99	60	-46.01	Neutral	9k	Pass	19.7

Average:-

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.5891	36.69	46	-9.31	Neutral	9k	Pass	19.55
0.73315	31.41	46	-14.59	Neutral	9k	Pass	19.56
1.3383	18.05	46	-27.95	Neutral	9k	Pass	19.59
2.44335	13	46	-33	Neutral	9k	Pass	19.57
0.24515	12.78	51.89	-39.11	Neutral	9k	Pass	19.48
5.2105	10.15	50	-39.85	Neutral	9k	Pass	19.57
8.14155	7.49	50	-42.51	Neutral	9k	Pass	19.58
11.0798	6.73	50	-43.27	Neutral	9k	Pass	19.61
19.5239	5.11	50	-44.89	Neutral	9k	Pass	19.70
16.4545	3.88	50	-46.12	Neutral	9k	Pass	19.66

**Prüfbericht - Nr.:**  
Test Report No.:

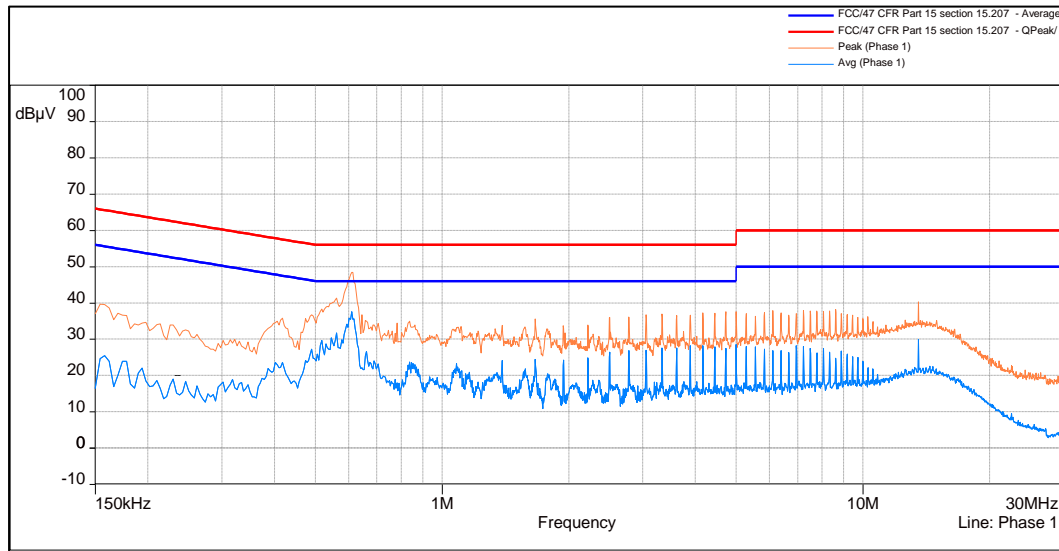
**IN22T1OT 001**  
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**Globe Tek Adapter with V-Scan Pad:-**

**Power: 110V 60Hz\_LINE**

**Line:-**



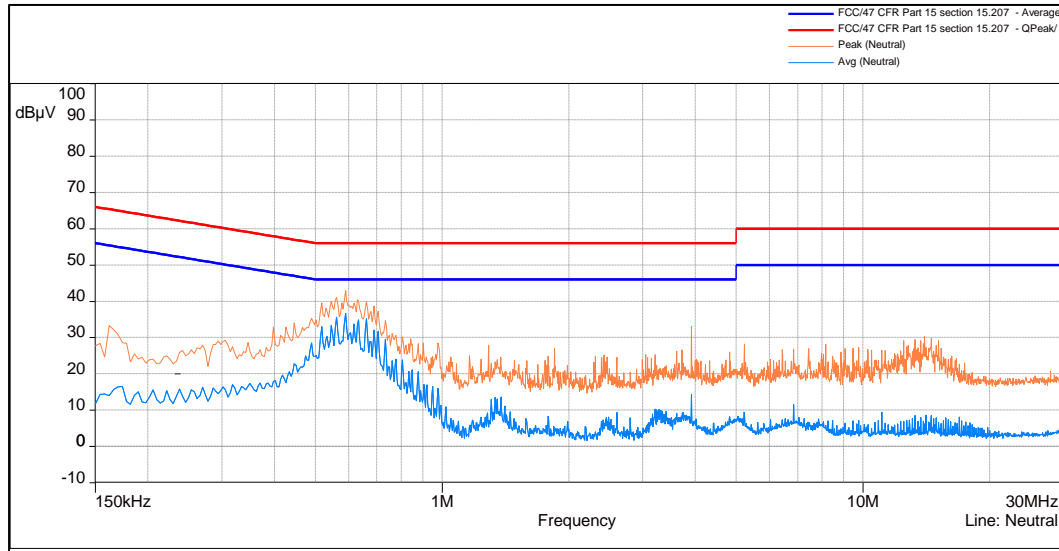
**Line Graph**

**Quasipeak:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.6145	34.4	56	-21.6	Phase 1	9k	Pass	19.54
0.58045	33.47	56	-22.53	Phase 1	9k	Pass	19.54
0.8308	23.66	56	-32.34	Phase 1	9k	Pass	19.57
13.55755	27.15	60	-32.85	Phase 1	9k	Pass	19.63
1.40485	21.36	56	-34.64	Phase 1	9k	Pass	19.58
2.50785	18.27	56	-37.73	Phase 1	9k	Pass	19.57
3.352	14.74	56	-41.26	Phase 1	9k	Pass	19.57
0.1599	24.24	65.57	-41.33	Phase 1	9k	Pass	19.54
6.9568	18.58	60	-41.42	Phase 1	9k	Pass	19.58

**Average:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.6145	24.37	46	-21.63	Phase 1	9k	Pass	19.54
0.58045	23.89	46	-22.11	Phase 1	9k	Pass	19.54
0.8308	9.74	46	-36.26	Phase 1	9k	Pass	19.57
1.40485	8.6	46	-37.4	Phase 1	9k	Pass	19.58
2.50785	5.79	46	-40.21	Phase 1	9k	Pass	19.57
3.352	5.63	46	-40.37	Phase 1	9k	Pass	19.57
13.55755	9.46	50	-40.54	Phase 1	9k	Pass	19.63
6.9568	7.83	50	-42.17	Phase 1	9k	Pass	19.58
0.1599	12.35	55.57	-43.22	Phase 1	9k	Pass	19.54

**Power: 110V 60Hz\_Neutral**
**Neutral:-**

**Neutral Graph**
**Quasipeak:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.61025	33.69	56	-22.31	Neutral	9k	Pass	19.55
3.90725	20.73	56	-35.27	Neutral	9k	Pass	19.58
0.2988	21.75	60.3	-38.55	Neutral	9k	Pass	19.45
0.97755	17.42	56	-38.58	Neutral	9k	Pass	19.59
6.84785	21.38	60	-38.62	Neutral	9k	Pass	19.58
0.16485	22.71	65.16	-42.45	Neutral	9k	Pass	19.52
1.29315	12.89	56	-43.11	Neutral	9k	Pass	19.59
1.8491	12.44	56	-43.56	Neutral	9k	Pass	19.57
14.0409	15.13	60	-44.87	Neutral	9k	Pass	19.64

**Average:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.61025	28.12	46	-17.88	Neutral	9k	Pass	19.55
0.2988	15.59	50.3	-34.71	Neutral	9k	Pass	19.45
0.97755	8.99	46	-37.01	Neutral	9k	Pass	19.59
1.29315	6.9	46	-39.1	Neutral	9k	Pass	19.59
3.90725	5.96	46	-40.04	Neutral	9k	Pass	19.58
1.8491	3.82	46	-42.18	Neutral	9k	Pass	19.57
0.16485	12.49	55.16	-42.67	Neutral	9k	Pass	19.52
6.84785	5.8	50	-44.2	Neutral	9k	Pass	19.58
14.0409	2.97	50	-47.03	Neutral	9k	Pass	19.64



**Prüfbericht - Nr.:**  
Test Report No.:

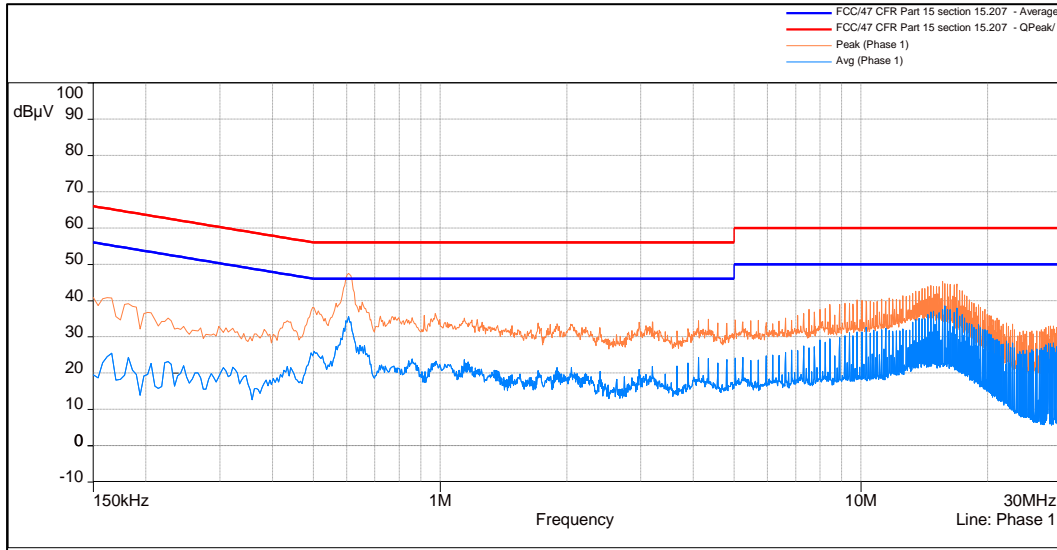
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**Globe Tek Adapter with Anker Pad:-**

**Power: 110V 60Hz\_LINE**

**Line:-**



**Line Graph**

**Quasipeak:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.61365	42.11	56	-13.89	Phase 1	9k	Pass	19.54
17.39165	37.5	60	-22.5	Phase 1	9k	Pass	19.66
0.98795	31.51	56	-24.49	Phase 1	9k	Pass	19.58
0.44715	27.98	56.95	-28.97	Phase 1	9k	Pass	19.51
15.64715	31	60	-29	Phase 1	9k	Pass	19.65
2.99335	25.6	56	-30.4	Phase 1	9k	Pass	19.57
0.15045	35.05	66	-30.95	Phase 1	9k	Pass	19.55
4.33705	24.52	56	-31.48	Phase 1	9k	Pass	19.57
0.23275	29.48	62.31	-32.83	Phase 1	9k	Pass	19.49
7.54845	25.95	60	-34.05	Phase 1	9k	Pass	19.58

**Average:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.61365	32.81	46	-13.19	Phase 1	9k	Pass	19.54
0.98795	23.03	46	-22.97	Phase 1	9k	Pass	19.58
17.39165	26.95	50	-23.05	Phase 1	9k	Pass	19.66
0.44715	20.48	46.95	-26.47	Phase 1	9k	Pass	19.51
2.99335	16.42	46	-29.58	Phase 1	9k	Pass	19.57
15.64715	19.94	50	-30.06	Phase 1	9k	Pass	19.65
4.33705	15.63	46	-30.37	Phase 1	9k	Pass	19.57
0.15045	24.26	56	-31.74	Phase 1	9k	Pass	19.55
0.23275	20.24	52.31	-32.06	Phase 1	9k	Pass	19.49
7.54845	16.29	50	-33.71	Phase 1	9k	Pass	19.58

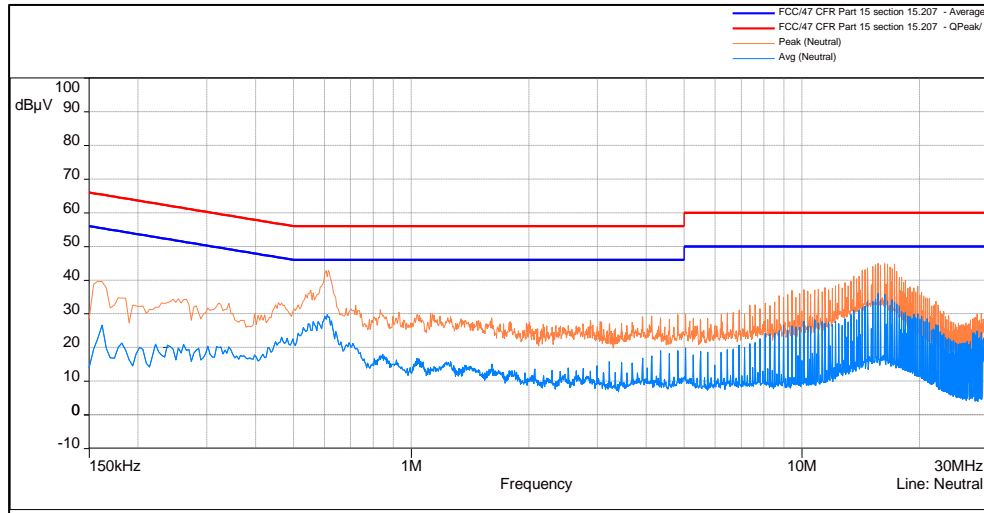
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**Power: 110V 60Hz\_Neutral**

**Neutral:-**



**Neutral Graph**

**Quasipeak:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.59465	38.72	56	-17.28	Neutral	9k	Pass	19.55
0.15045	35.77	66	-30.23	Neutral	9k	Pass	19.53
0.476	26.07	56.37	-30.3	Neutral	9k	Pass	19.53
15.63195	27.33	60	-32.67	Neutral	9k	Pass	19.65
1.01955	22.74	56	-33.26	Neutral	9k	Pass	19.59
0.26825	27.66	61.12	-33.46	Neutral	9k	Pass	19.47
1.58665	18.7	56	-37.3	Neutral	9k	Pass	19.58
4.13045	15.45	56	-40.55	Neutral	9k	Pass	19.58
8.74285	15.89	60	-44.11	Neutral	9k	Pass	19.59
28.79285	10.67	60	-49.33	Neutral	9k	Pass	19.84

**Average:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.59465	29.38	46	-16.62	Neutral	9k	Pass	19.55
0.476	19.97	46.37	-26.41	Neutral	9k	Pass	19.53
1.01955	14	46	-32	Neutral	9k	Pass	19.59
0.26825	18.38	51.12	-32.74	Neutral	9k	Pass	19.47
1.58665	10.44	46	-35.56	Neutral	9k	Pass	19.58
15.63195	14.14	50	-35.86	Neutral	9k	Pass	19.65
0.15045	19.47	56	-36.53	Neutral	9k	Pass	19.53
4.13045	7.66	46	-38.34	Neutral	9k	Pass	19.58
8.74285	7.85	50	-42.15	Neutral	9k	Pass	19.59
28.79285	4.25	50	-45.75	Neutral	9k	Pass	19.84

**Prüfbericht - Nr.:**  
Test Report No.:

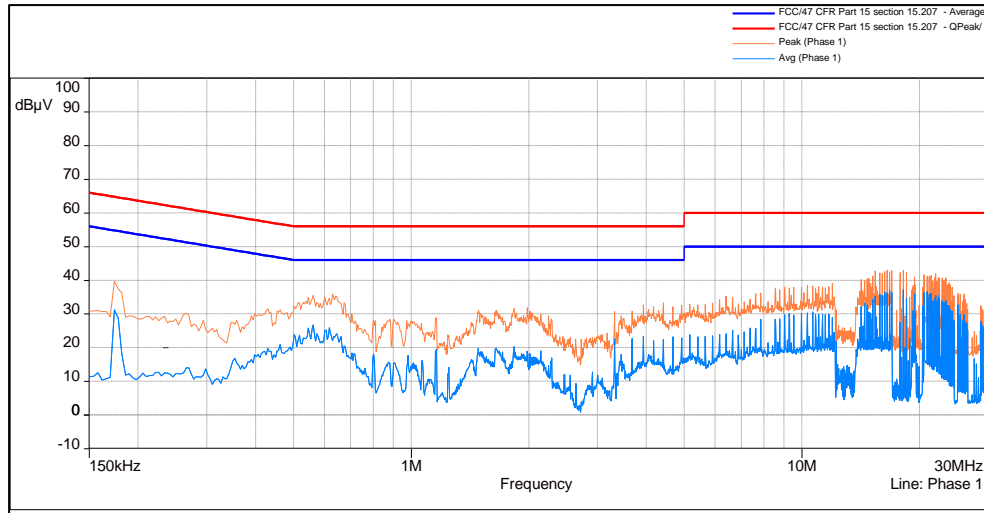
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**XP Adapter with Anker Pad:-**

**Power: 110V 60Hz\_LINE**

**Line:-**



**Line Graph**

**Quasipeak:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.1524	43.33	65.78	-22.45	Phase 1	9k	Pass	19.55
0.56065	32.34	56	-23.66	Phase 1	9k	Pass	19.54
1.8529	27.41	56	-28.59	Phase 1	9k	Pass	19.57
18.19005	29.28	60	-30.72	Phase 1	9k	Pass	19.67
4.404	24.14	56	-31.86	Phase 1	9k	Pass	19.57
1.13995	20.52	56	-35.48	Phase 1	9k	Pass	19.58
3.3239	16.52	56	-39.48	Phase 1	9k	Pass	19.57
9.2703	19.27	60	-40.73	Phase 1	9k	Pass	19.58
25.1155	12.29	60	-47.71	Phase 1	9k	Pass	19.77

**Average:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.56065	27.22	46	-18.78	Phase 1	9k	Pass	19.54
1.8529	17.67	46	-28.33	Phase 1	9k	Pass	19.57
0.1524	26.9	55.78	-28.88	Phase 1	9k	Pass	19.55
1.13995	16.28	46	-29.72	Phase 1	9k	Pass	19.58
4.404	14.1	46	-31.9	Phase 1	9k	Pass	19.57
18.19005	15.21	50	-34.79	Phase 1	9k	Pass	19.67
9.2703	10.47	50	-39.53	Phase 1	9k	Pass	19.58
3.3239	5.32	46	-40.68	Phase 1	9k	Pass	19.57
25.1155	6.33	50	-43.67	Phase 1	9k	Pass	19.77

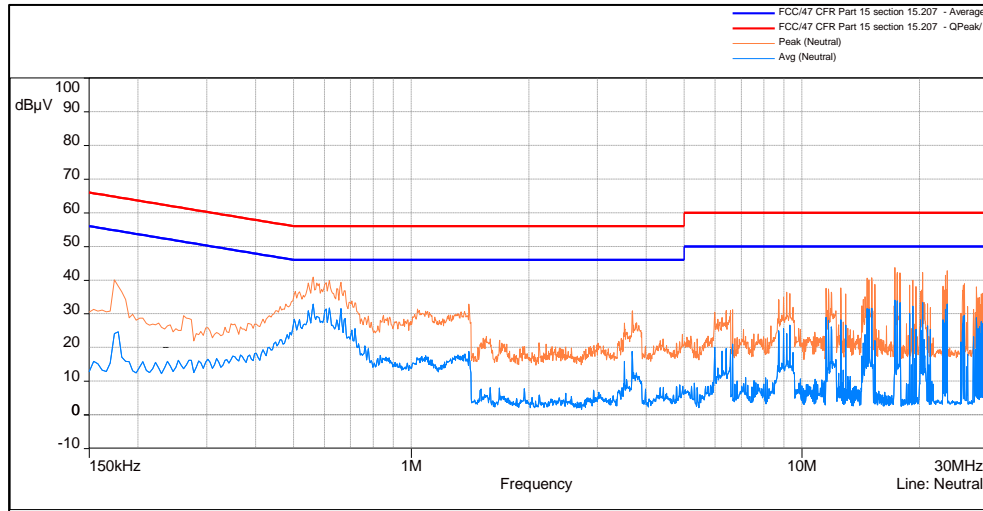
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**Power: 110V 60Hz\_Neutral**

**Neutral:-**



**Neutral Graph**

**Quasipeak:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.56155	37.44	56	-18.56	Neutral	9k	Pass	19.55
17.2945	35.23	60	-24.77	Neutral	9k	Pass	19.67
23.5231	32.67	60	-27.33	Neutral	9k	Pass	19.76
14.68515	29.83	60	-30.17	Neutral	9k	Pass	19.65
9.31625	25.34	60	-34.66	Neutral	9k	Pass	19.59
0.1578	30.5	65.57	-35.07	Neutral	9k	Pass	19.52
6.64285	22.89	60	-37.11	Neutral	9k	Pass	19.57
1.39835	14.24	56	-41.76	Neutral	9k	Pass	19.58
3.6892	10.42	56	-45.58	Neutral	9k	Pass	19.58

**Average:-**

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Pos	RBW	Comments	Correction (dB)
0.56155	32.11	46	-13.89	Neutral	9k	Pass	19.55
14.68515	18.63	50	-31.37	Neutral	9k	Pass	19.65
23.5231	16.09	50	-33.91	Neutral	9k	Pass	19.76
6.64285	12.82	50	-37.18	Neutral	9k	Pass	19.57
0.1578	16.01	55.57	-39.56	Neutral	9k	Pass	19.52
1.39835	6.33	46	-39.67	Neutral	9k	Pass	19.58
3.6892	4.34	46	-41.66	Neutral	9k	Pass	19.58
9.31625	4.07	50	-45.93	Neutral	9k	Pass	19.59
17.2945	2.31	50	-47.69	Neutral	9k	Pass	19.67

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\*\*\*\*\*End of Test report\*\*\*\*\*