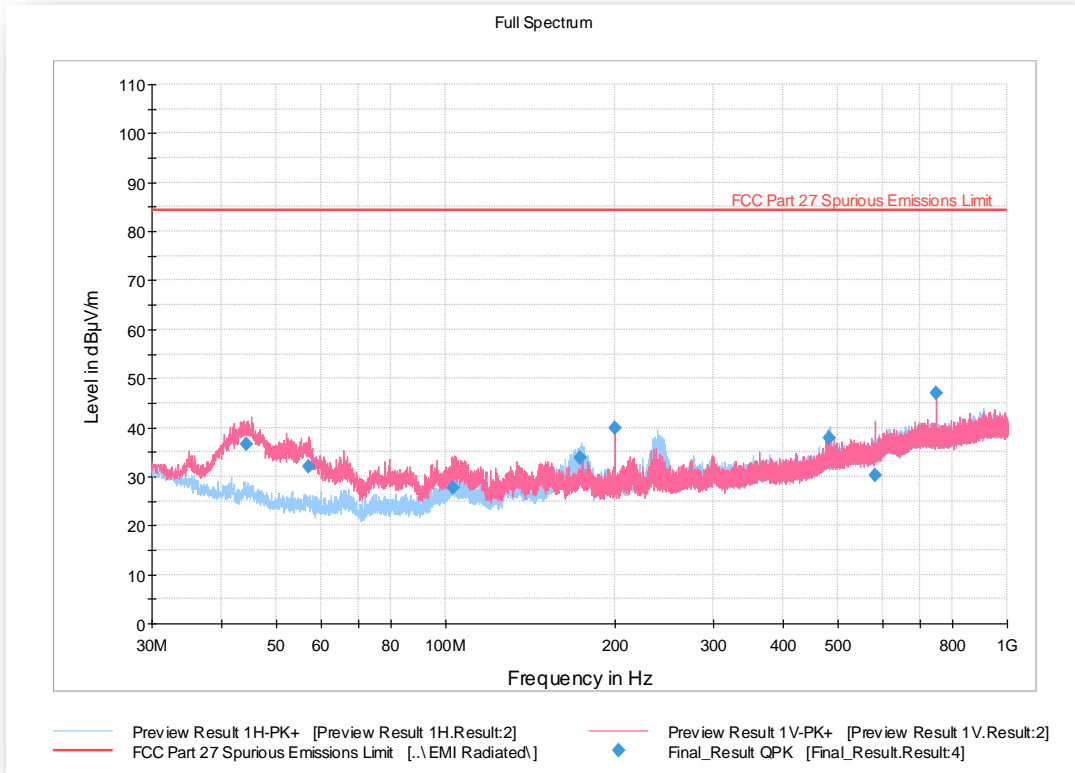




FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Below 1GHz (LTE Band 30 Uplink Worst Case Configuration) - 10MHz Bandwidth High Channel**



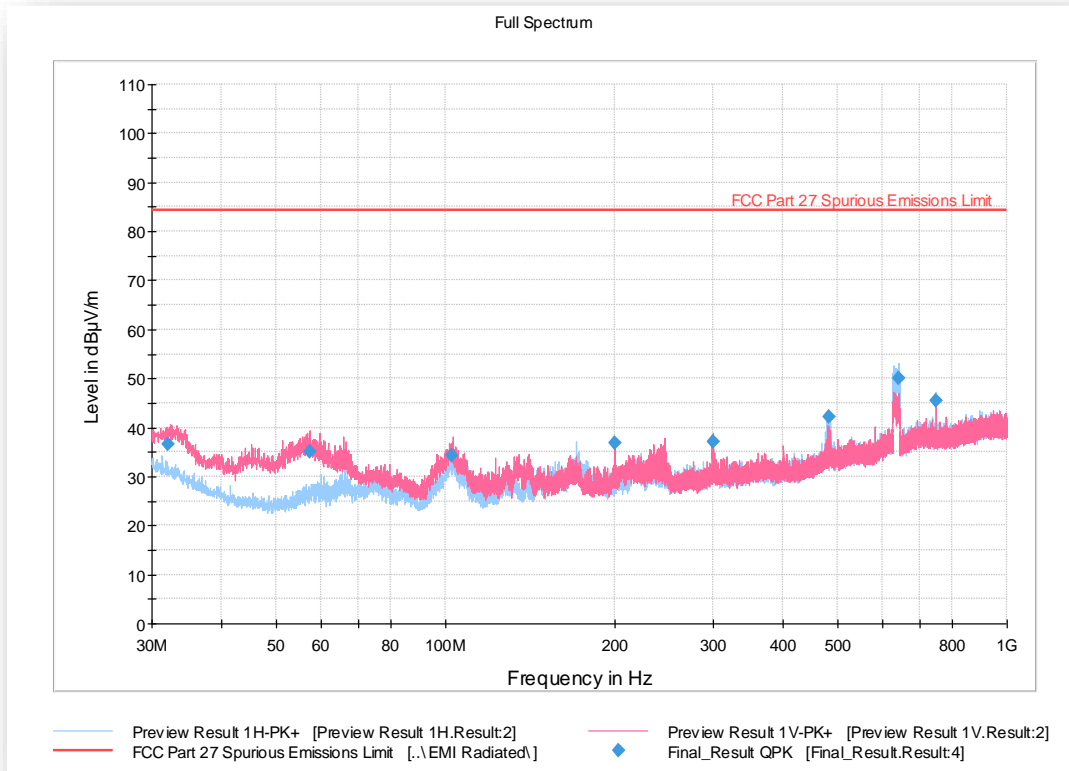
**Quasi Peak Data**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.236667	36.63	84.40	47.77	1000.0	120.000	117.0	V	318.0	16
57.080000	31.97	84.40	52.43	1000.0	120.000	125.0	V	348.0	14
103.194000	27.65	84.40	56.75	1000.0	120.000	100.0	V	268.0	16
173.746667	33.75	84.40	50.65	1000.0	120.000	163.0	H	124.0	17
200.016333	39.78	84.40	44.62	1000.0	120.000	100.0	V	50.0	17
481.789333	37.92	84.40	46.48	1000.0	120.000	162.0	H	298.0	25
581.112333	30.19	84.40	54.21	1000.0	120.000	125.0	H	39.0	26
746.984000	47.05	84.40	37.35	1000.0	120.000	113.0	H	38.0	28



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Below 1GHz (LTE Band 71 Downlink Worst Case Configuration) - 15MHz Bandwidth Low Channel**



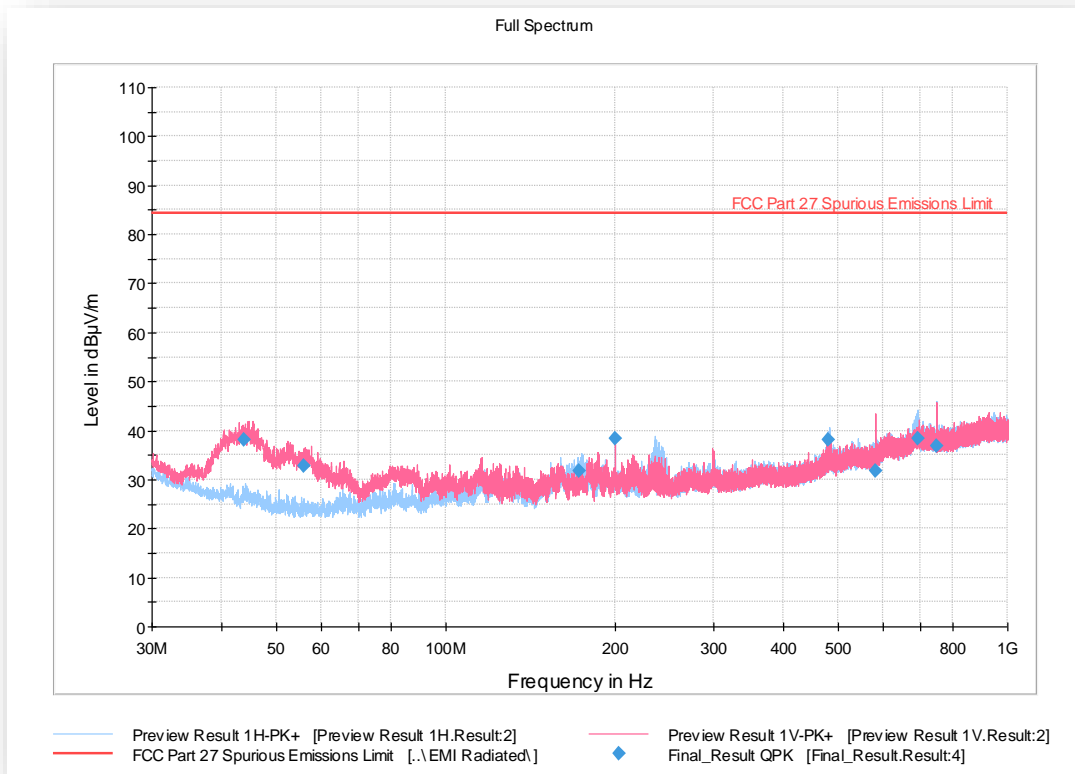
**Quasi Peak Data**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
32.008000	36.47	84.40	47.93	1000.0	120.000	113.0	V	228.0	21
57.451000	34.99	84.40	49.41	1000.0	120.000	108.0	V	22.0	14
102.888667	34.19	84.40	50.21	1000.0	120.000	125.0	V	139.0	16
199.976333	36.75	84.40	47.65	1000.0	120.000	107.0	V	176.0	17
299.797000	36.98	84.40	47.42	1000.0	120.000	107.0	V	188.0	21
481.793667	42.10	84.40	42.30	1000.0	120.000	189.0	H	239.0	25
640.887333	50.13	84.40	34.27	1000.0	120.000	111.0	H	314.0	27
747.024000	45.42	84.40	38.98	1000.0	120.000	205.0	H	292.0	28



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Below 1GHz (LTE Band 71 Uplink Worst Case Configuration) - 10MHz Bandwidth High Channel**



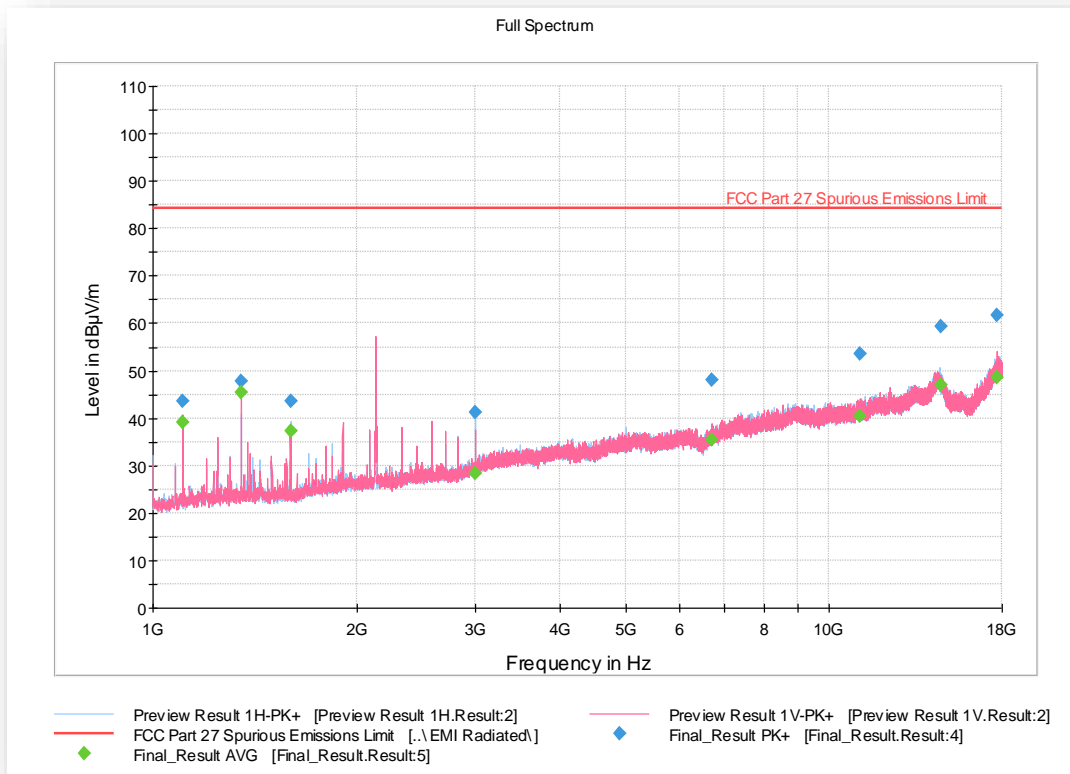
**Quasi Peak Data**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
43.756000	38.04	84.40	46.36	1000.0	120.000	100.0	V	0.0	16
56.045000	32.76	84.40	51.64	1000.0	120.000	107.0	V	302.0	14
172.894000	31.79	84.40	52.61	1000.0	120.000	190.0	H	133.0	17
199.976333	38.24	84.40	46.16	1000.0	120.000	100.0	V	154.0	17
480.710333	38.22	84.40	46.18	1000.0	120.000	169.0	H	286.0	25
581.104667	31.73	84.40	52.67	1000.0	120.000	115.0	V	297.0	26
693.128667	38.25	84.40	46.15	1000.0	120.000	100.0	H	296.0	29
746.944000	36.87	84.40	47.53	1000.0	120.000	109.0	H	-3.0	28



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Above 1GHz (LTE Band 4 Downlink Worst Case Configuration) - 10MHz Bandwidth Low Channel**



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	43.55	84.40	40.85	1000.0	1000.000	227.0	H	282.0	-9
1351.533333	47.76	84.40	36.64	1000.0	1000.000	141.0	V	210.0	-7
1600.133333	43.70	84.40	40.70	1000.0	1000.000	255.0	H	28.0	-7
2996.366667	41.13	84.40	43.27	1000.0	1000.000	125.0	H	350.0	-1
6692.400000	48.11	84.40	36.29	1000.0	1000.000	175.0	V	247.0	5
11105.266666	53.62	84.40	30.78	1000.0	1000.000	238.0	V	353.0	14
14595.766666	59.45	84.40	24.95	1000.0	1000.000	310.0	H	124.0	16
17719.400000	61.82	84.40	22.58	1000.0	1000.000	350.0	V	50.0	22

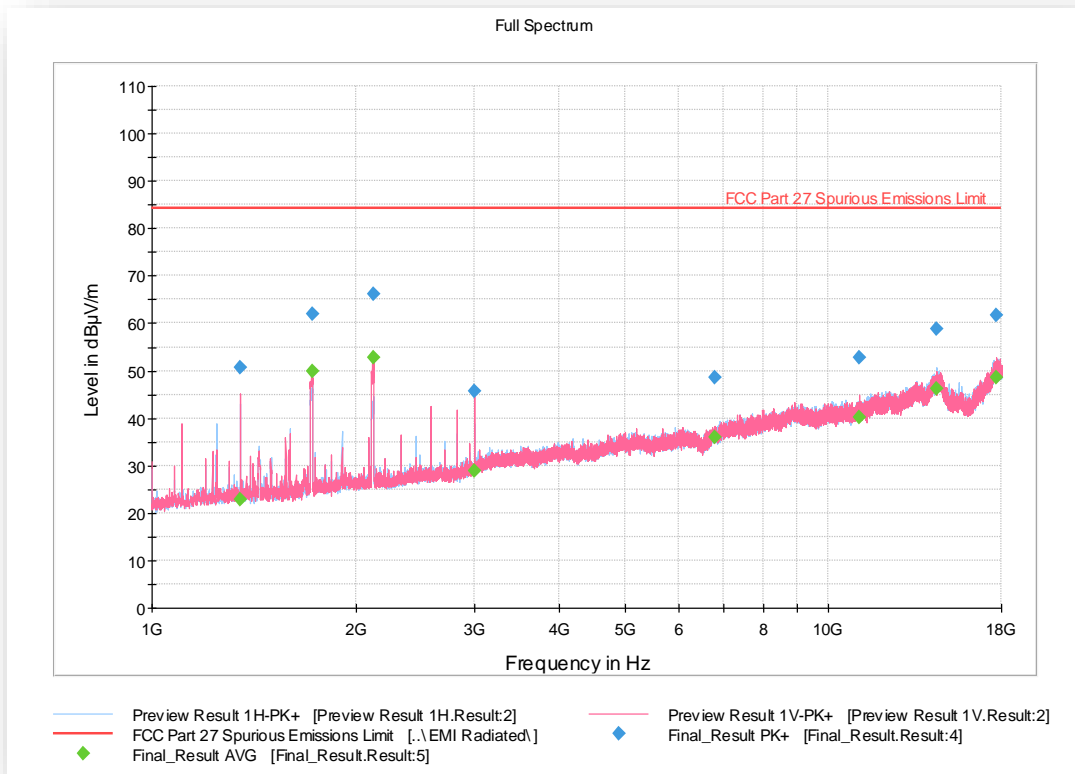
**Average Data**

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	39.09	84.40	45.31	1000.0	1000.000	227.0	H	282.0	-9
1351.533333	45.36	84.40	39.04	1000.0	1000.000	141.0	V	210.0	-7
1600.133333	37.37	84.40	47.03	1000.0	1000.000	255.0	H	28.0	-7
2996.366667	28.32	84.40	56.08	1000.0	1000.000	125.0	H	350.0	-1
6692.400000	35.39	84.40	49.01	1000.0	1000.000	175.0	V	247.0	5
11105.266666	40.47	84.40	43.93	1000.0	1000.000	238.0	V	353.0	14
14595.766666	46.89	84.40	37.51	1000.0	1000.000	310.0	H	124.0	16
17719.400000	48.48	84.40	35.92	1000.0	1000.000	350.0	V	50.0	22



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Above 1GHz (LTE Band 4 Uplink Worst Case Configuration) - 10MHz Bandwidth Middle Channel**



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1353.933333	50.71	84.40	33.69	1000.0	1000.000	175.0	V	32.0	-7
1726.533333	62.05	84.40	22.35	1000.0	1000.000	332.0	V	10.0	-5
2126.866667	66.07	84.40	18.33	1000.0	1000.000	332.0	V	96.0	-3
2999.566667	45.68	84.40	38.73	1000.0	1000.000	161.0	V	35.0	-1
6786.100000	48.70	84.40	35.70	1000.0	1000.000	306.0	V	185.0	5
11092.800000	52.79	84.40	31.61	1000.0	1000.000	309.0	V	313.0	14
14413.133333	58.71	84.40	25.69	1000.0	1000.000	359.0	H	256.0	15
17713.100000	61.71	84.40	22.69	1000.0	1000.000	365.0	V	244.0	22

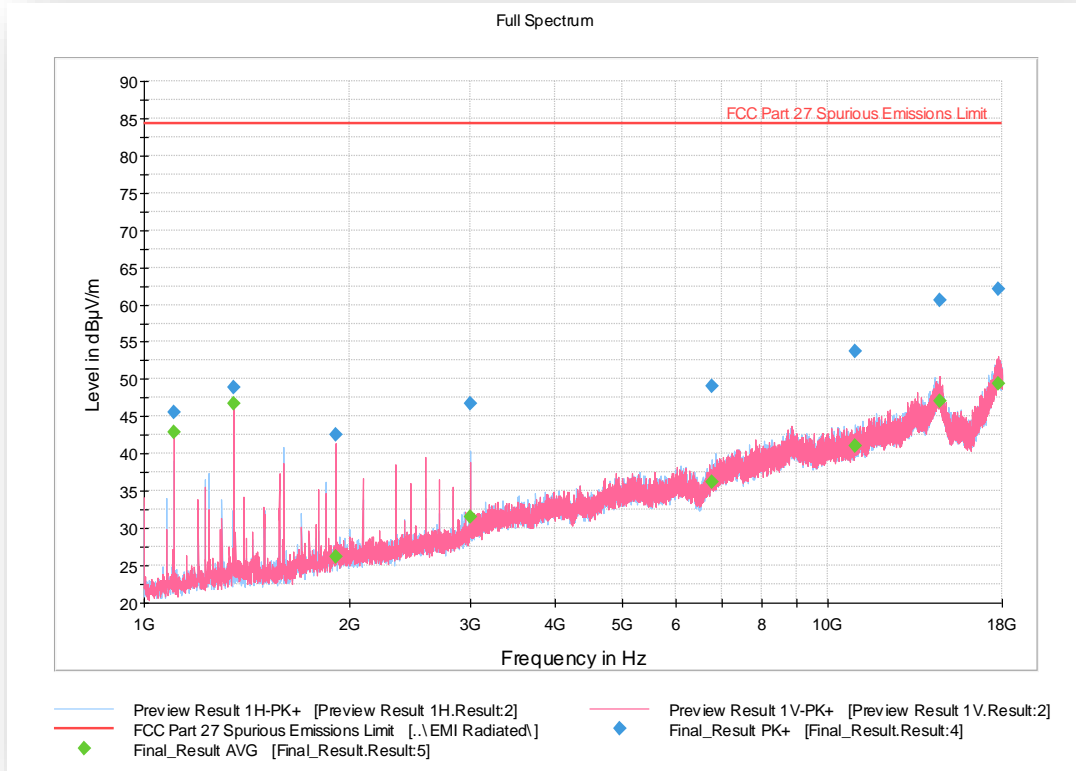
**Average Data**

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1353.933333	22.90	84.40	61.50	1000.0	1000.000	175.0	V	32.0	-7
1726.533333	49.86	84.40	34.54	1000.0	1000.000	332.0	V	10.0	-5
2126.866667	52.74	84.40	31.66	1000.0	1000.000	332.0	V	96.0	-3
2999.566667	28.79	84.40	55.61	1000.0	1000.000	161.0	V	35.0	-1
6786.100000	36.05	84.40	48.35	1000.0	1000.000	306.0	V	185.0	5
11092.800000	40.16	84.40	44.24	1000.0	1000.000	309.0	V	313.0	14
14413.133333	46.33	84.40	38.07	1000.0	1000.000	359.0	H	256.0	15
17713.100000	48.56	84.40	35.84	1000.0	1000.000	365.0	V	244.0	22



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Above 1GHz (LTE Band 12 Downlink Worst Case Configuration) - 5MHz Bandwidth High Channel**



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	45.51	84.40	38.89	1000.0	1000.000	245.0	V	200.0	-9
1351.533333	48.85	84.40	35.55	1000.0	1000.000	238.0	V	203.0	-7
1909.133333	42.52	84.40	41.88	1000.0	1000.000	208.0	V	0.0	-4
2999.966667	46.80	84.40	37.60	1000.0	1000.000	231.0	H	80.0	-1
6780.166667	49.07	84.40	35.33	1000.0	1000.000	356.0	H	298.0	5
10962.633333	53.70	84.40	30.70	1000.0	1000.000	301.0	H	293.0	14
14575.833333	60.60	84.40	23.80	1000.0	1000.000	221.0	V	332.0	16
17796.933333	62.13	84.40	22.27	1000.0	1000.000	142.0	V	141.0	23

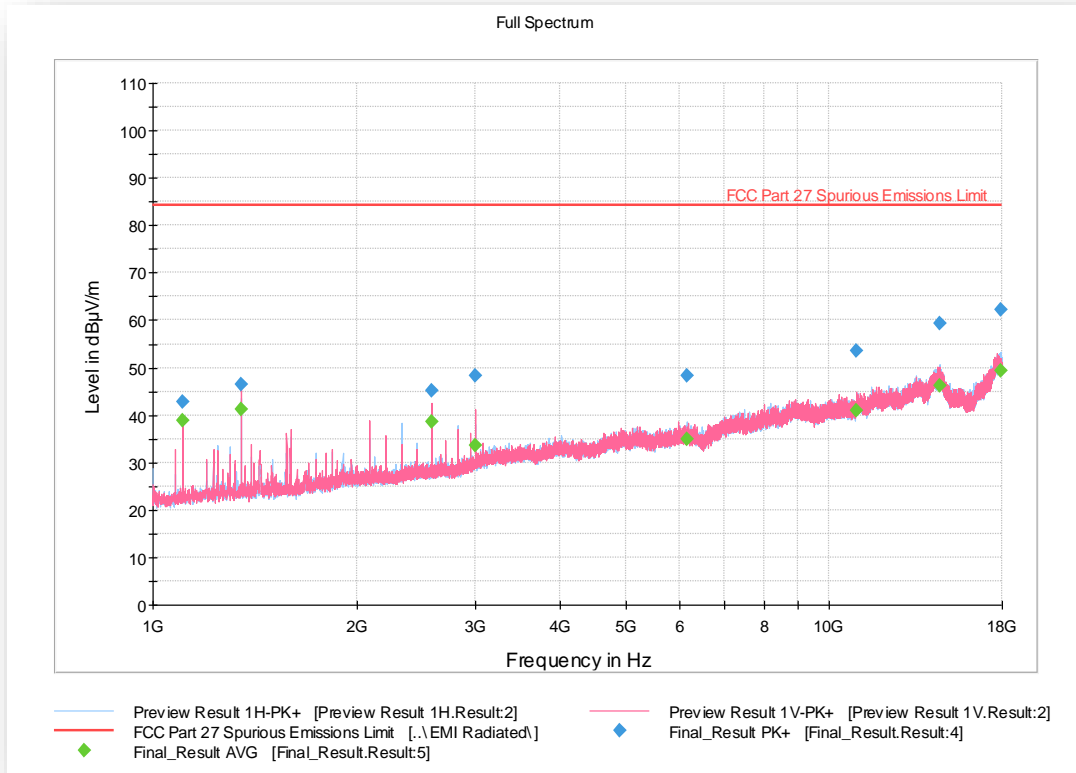
**Average Data**

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	42.92	84.40	41.48	1000.0	1000.000	245.0	V	200.0	-9
1351.533333	46.75	84.40	37.65	1000.0	1000.000	238.0	V	203.0	-7
1909.133333	26.21	84.40	58.19	1000.0	1000.000	208.0	V	0.0	-4
2999.966667	31.59	84.40	52.81	1000.0	1000.000	231.0	H	80.0	-1
6780.166667	36.12	84.40	48.28	1000.0	1000.000	356.0	H	298.0	5
10962.633333	41.05	84.40	43.35	1000.0	1000.000	301.0	H	293.0	14
14575.833333	47.10	84.40	37.30	1000.0	1000.000	221.0	V	332.0	16
17796.933333	49.38	84.40	35.02	1000.0	1000.000	142.0	V	141.0	23



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Above 1GHz (LTE Band 12 Uplink Worst Case Configuration) - 5MHz Bandwidth Mid Channel**



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	42.79	84.40	41.61	1000.0	1000.000	205.0	V	35.0	-9
1351.933333	46.52	84.40	37.88	1000.0	1000.000	146.0	V	73.0	-7
2580.633333	45.22	84.40	39.18	1000.0	1000.000	127.0	V	60.0	-2
2999.966667	48.40	84.40	36.00	1000.0	1000.000	175.0	V	305.0	-1
6155.833333	48.25	84.40	36.15	1000.0	1000.000	175.0	H	52.0	4
10957.20000	53.62	84.40	30.78	1000.0	1000.000	285.0	V	211.0	14
14570.66666	59.33	84.40	25.07	1000.0	1000.000	125.0	H	303.0	16
17950.43333	62.15	84.40	22.25	1000.0	1000.000	125.0	H	15.0	23

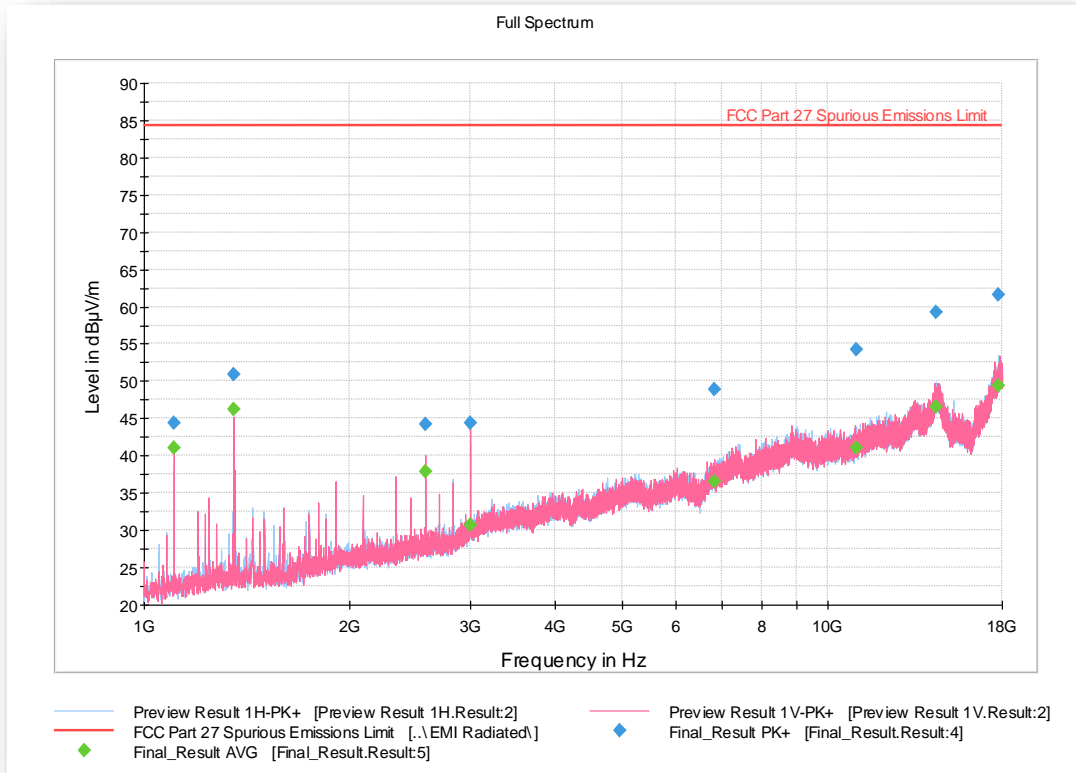
**Average Data**

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	38.90	84.40	45.50	1000.0	1000.000	205.0	V	35.0	-9
1351.933333	41.11	84.40	43.29	1000.0	1000.000	146.0	V	73.0	-7
2580.633333	38.53	84.40	45.87	1000.0	1000.000	127.0	V	60.0	-2
2999.966667	33.68	84.40	50.72	1000.0	1000.000	175.0	V	305.0	-1
6155.833333	35.00	84.40	49.40	1000.0	1000.000	175.0	H	52.0	4
10957.20000	40.88	84.40	43.52	1000.0	1000.000	285.0	V	211.0	14
14570.66666	46.12	84.40	38.28	1000.0	1000.000	125.0	H	303.0	16
17950.43333	49.28	84.40	35.12	1000.0	1000.000	125.0	H	15.0	23



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Above 1GHz (LTE Band 13 Downlink Worst Case Configuration) - 5MHz Bandwidth Mid Channel**



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	44.43	84.40	39.97	1000.0	1000.000	222.0	V	209.0	-9
1351.533333	50.95	84.40	33.45	1000.0	1000.000	164.0	V	204.0	-7
2580.633333	44.27	84.40	40.13	1000.0	1000.000	175.0	V	212.0	-2
2999.566667	44.42	84.40	39.98	1000.0	1000.000	320.0	V	27.0	-1
6822.233333	48.88	84.40	35.52	1000.0	1000.000	141.0	V	88.0	5
10996.200000	54.17	84.40	30.23	1000.0	1000.000	175.0	V	136.0	14
14420.066666	59.27	84.40	25.13	1000.0	1000.000	125.0	H	130.0	15
17786.033333	61.68	84.40	22.72	1000.0	1000.000	352.0	H	247.0	23

**Average Data**

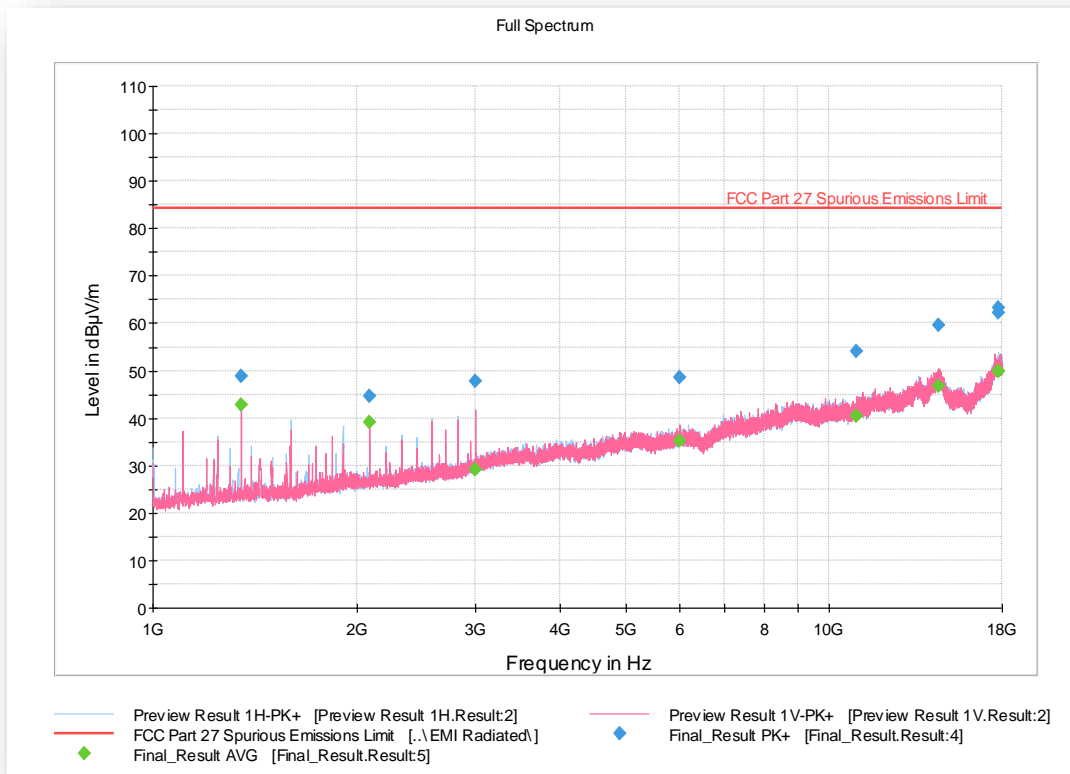
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	41.07	84.40	43.33	1000.0	1000.000	222.0	V	209.0	-9
1351.533333	46.21	84.40	38.19	1000.0	1000.000	164.0	V	204.0	-7
2580.633333	37.90	84.40	46.50	1000.0	1000.000	175.0	V	212.0	-2
2999.566667	30.74	84.40	53.66	1000.0	1000.000	320.0	V	27.0	-1
6822.233333	36.54	84.40	47.86	1000.0	1000.000	141.0	V	88.0	5
10996.200000	41.12	84.40	43.28	1000.0	1000.000	175.0	V	136.0	14
14420.066666	46.52	84.40	37.88	1000.0	1000.000	125.0	H	130.0	15
17786.033333	49.33	84.40	35.07	1000.0	1000.000	352.0	H	247.0	23





FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Above 1GHz (LTE Band 13 Uplink Worst Case Configuration) - 10MHz Bandwidth Mid Channel**



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1351.533333	48.86	84.40	35.54	1000.0	1000.000	175.0	V	86.0	-7
2089.166667	44.73	84.40	39.67	1000.0	1000.000	175.0	V	53.0	-4
2999.966667	47.71	84.40	36.69	1000.0	1000.000	302.0	V	356.0	-1
6004.866667	48.44	84.40	35.96	1000.0	1000.000	365.0	V	158.0	4
10943.16666	54.15	84.40	30.25	1000.0	1000.000	365.0	V	270.0	14
14527.03333	59.49	84.40	24.91	1000.0	1000.000	255.0	H	17.0	16
17807.86666	62.32	84.40	22.08	1000.0	1000.000	365.0	H	62.0	23
17809.86666	63.25	84.40	21.15	1000.0	1000.000	319.0	H	80.0	23

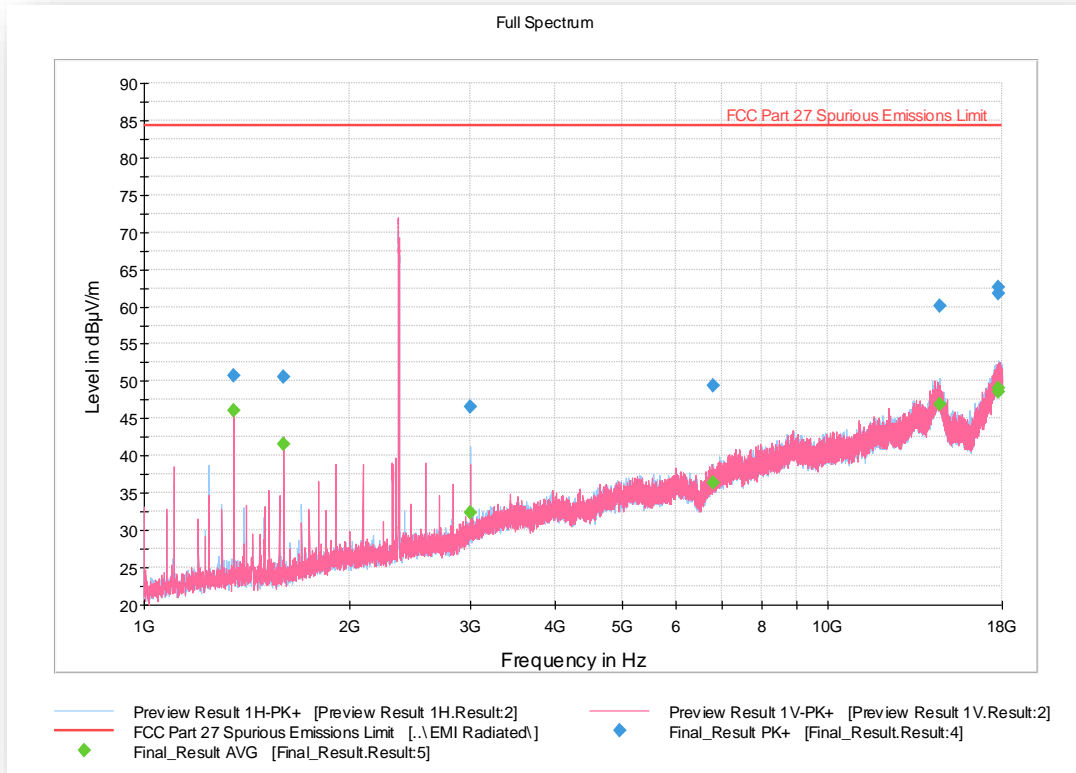
**Average Data**

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1351.533333	42.84	84.40	41.56	1000.0	1000.000	175.0	V	86.0	-7
2089.166667	39.13	84.40	45.27	1000.0	1000.000	175.0	V	53.0	-4
2999.966667	29.27	84.40	55.13	1000.0	1000.000	302.0	V	356.0	-1
6004.866667	35.23	84.40	49.17	1000.0	1000.000	365.0	V	158.0	4
10943.16666	40.48	84.40	43.92	1000.0	1000.000	365.0	V	270.0	14
14527.03333	46.83	84.40	37.57	1000.0	1000.000	255.0	H	17.0	16
17807.86666	49.88	84.40	34.52	1000.0	1000.000	365.0	H	62.0	23
17809.86666	49.87	84.40	34.53	1000.0	1000.000	319.0	H	80.0	23



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Above 1GHz (LTE Band 30 Downlink Worst Case Configuration) - 5MHz Bandwidth Mid Channel**



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1351.533333	50.81	84.40	33.59	1000.0	1000.000	163.0	V	207.0	-7
1600.133333	50.59	84.40	33.81	1000.0	1000.000	149.0	V	32.0	-7
2355.600000	83.78	84.40	0.62	1000.0	1000.000	335.0	V	34.0	-3
3000.366667	46.52	84.40	37.88	1000.0	1000.000	227.0	H	115.0	-1
6814.500000	49.34	84.40	35.06	1000.0	1000.000	175.0	H	126.0	5
14600.03333	60.16	84.40	24.24	1000.0	1000.000	255.0	H	269.0	16
17750.23333	61.74	84.40	22.66	1000.0	1000.000	175.0	H	311.0	22
17767.43333	62.68	84.40	21.72	1000.0	1000.000	175.0	H	314.0	22

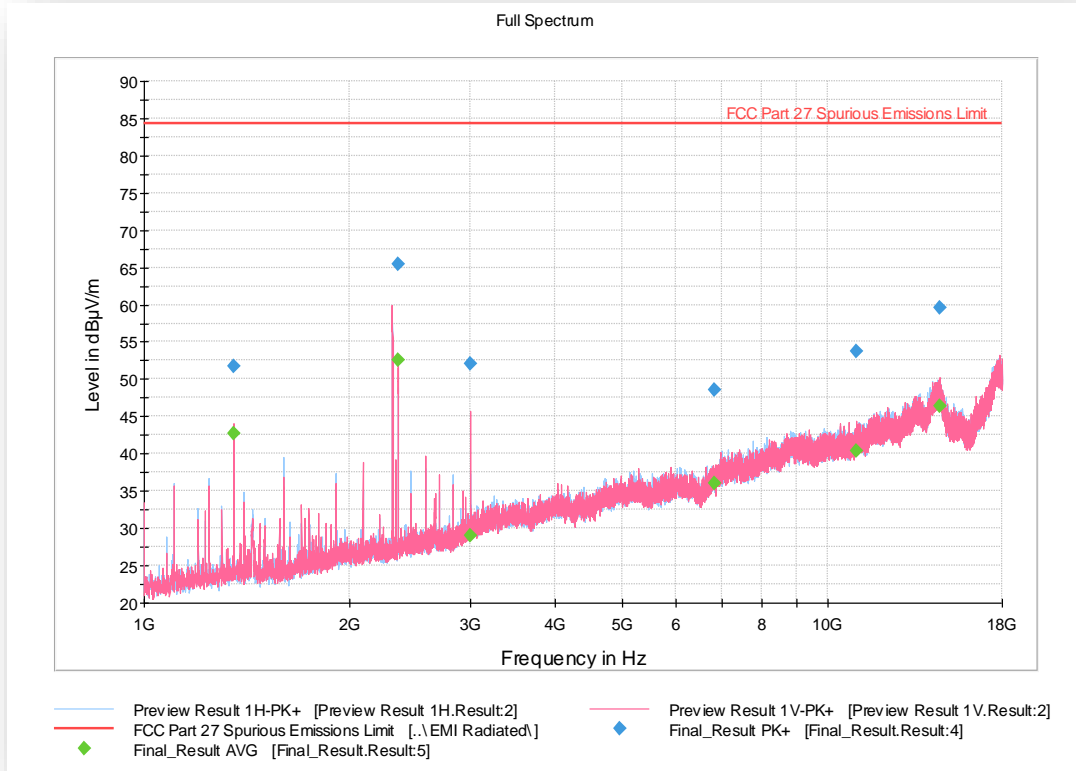
**Average Data**

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1351.533333	46.13	84.40	38.27	1000.0	1000.000	163.0	V	207.0	-7
1600.133333	41.55	84.40	42.85	1000.0	1000.000	149.0	V	32.0	-7
2355.600000	71.58	84.40	12.82	1000.0	1000.000	335.0	V	34.0	-3
3000.366667	32.41	84.40	51.99	1000.0	1000.000	227.0	H	115.0	-1
6814.500000	36.34	84.40	48.06	1000.0	1000.000	175.0	H	126.0	5
14600.03333	46.89	84.40	37.51	1000.0	1000.000	255.0	H	269.0	16
17750.23333	48.65	84.40	35.75	1000.0	1000.000	175.0	H	311.0	22
17767.43333	49.06	84.40	35.34	1000.0	1000.000	175.0	H	314.0	22



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Above 1GHz (LTE Band 30 Uplink Worst Case Configuration) - 10MHz Bandwidth High Channel**



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1351.533333	51.73	84.40	32.67	1000.0	1000.000	238.0	V	90.0	-7
2352.666667	65.52	84.40	18.88	1000.0	1000.000	231.0	V	106.0	-3
2999.966667	52.16	84.40	32.24	1000.0	1000.000	226.0	V	280.0	-1
6841.866667	48.58	84.40	35.82	1000.0	1000.000	365.0	V	118.0	5
11011.866666	53.79	84.40	30.61	1000.0	1000.000	365.0	V	13.0	14
14592.00000	59.53	84.40	24.87	1000.0	1000.000	365.0	V	10.0	16

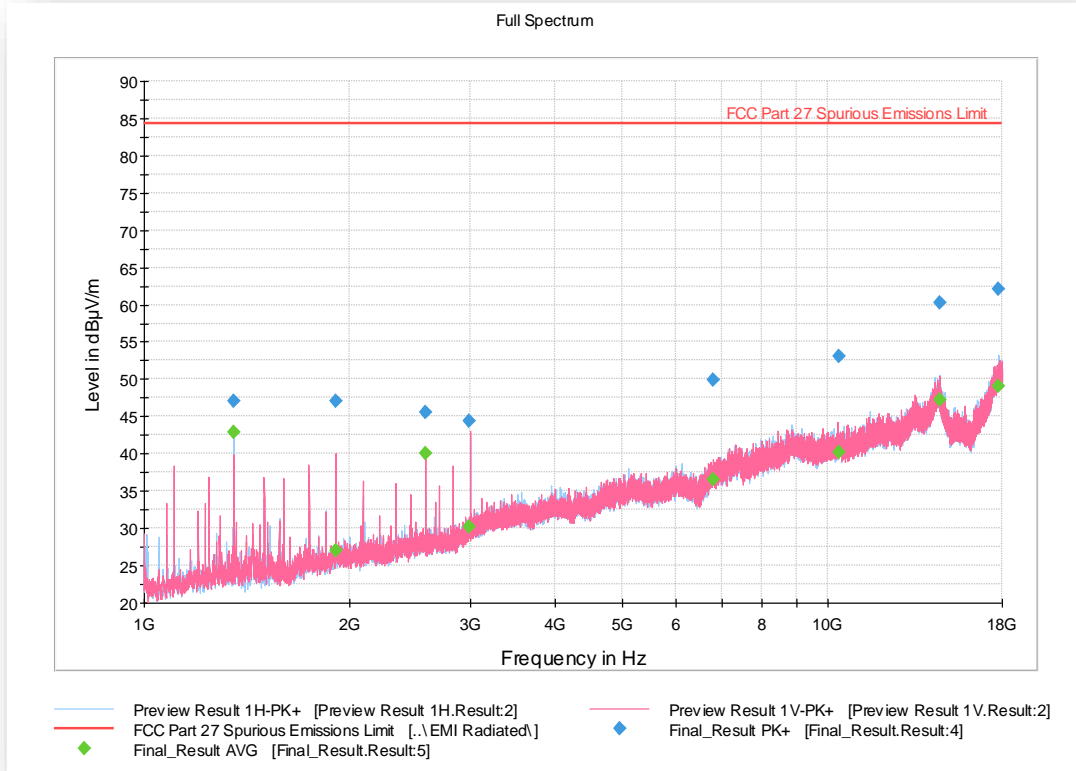
**Average Data**

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1351.533333	42.71	84.40	41.69	1000.0	1000.000	238.0	V	90.0	-7
2352.666667	52.57	84.40	31.83	1000.0	1000.000	231.0	V	106.0	-3
2999.966667	29.08	84.40	55.32	1000.0	1000.000	226.0	V	280.0	-1
6841.866667	36.06	84.40	48.34	1000.0	1000.000	365.0	V	118.0	5
11011.866666	40.45	84.40	43.95	1000.0	1000.000	365.0	V	13.0	14
14592.00000	46.43	84.40	37.97	1000.0	1000.000	365.0	V	10.0	16



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Above 1GHz (LTE Band 71 Downlink Worst Case Configuration) - 15MHz Bandwidth Low Channel**



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1351.533333	47.05	84.40	37.35	1000.0	1000.000	127.0	H	178.0	-7
1909.133333	47.10	84.40	37.30	1000.0	1000.000	143.0	V	9.0	-4
2580.633333	45.64	84.40	38.76	1000.0	1000.000	152.0	V	212.0	-2
2993.166667	44.31	84.40	40.09	1000.0	1000.000	245.0	V	328.0	-1
6814.266667	49.94	84.40	34.46	1000.0	1000.000	335.0	V	155.0	5
10372.60000	53.04	84.40	31.36	1000.0	1000.000	317.0	V	128.0	12
14573.83333	60.19	84.40	24.21	1000.0	1000.000	329.0	H	34.0	16
17778.46666	62.15	84.40	22.25	1000.0	1000.000	127.0	H	147.0	23

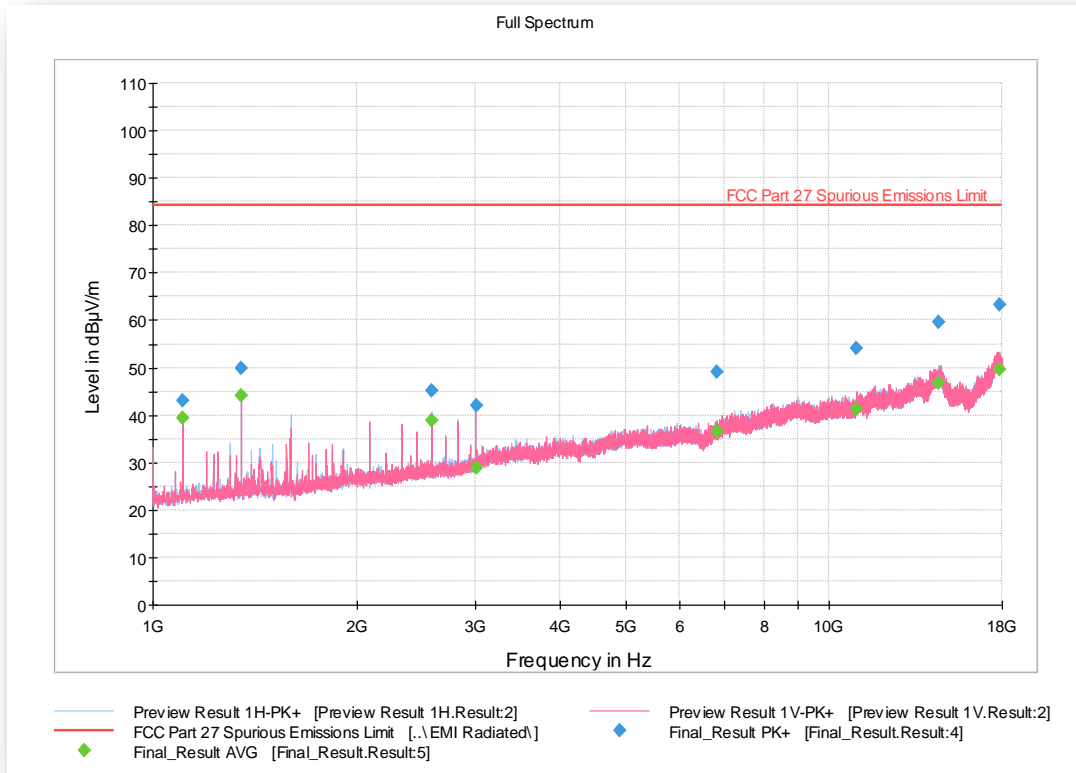
**Average Data**

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1351.533333	42.88	84.40	41.52	1000.0	1000.000	127.0	H	178.0	-7
1909.133333	27.04	84.40	57.36	1000.0	1000.000	143.0	V	9.0	-4
2580.633333	40.06	84.40	44.34	1000.0	1000.000	152.0	V	212.0	-2
2993.166667	30.21	84.40	54.19	1000.0	1000.000	245.0	V	328.0	-1
6814.266667	36.55	84.40	47.85	1000.0	1000.000	335.0	V	155.0	5
10372.60000	40.17	84.40	44.23	1000.0	1000.000	317.0	V	128.0	12
14573.83333	47.22	84.40	37.18	1000.0	1000.000	329.0	H	34.0	16
17778.46666	49.13	84.40	35.27	1000.0	1000.000	127.0	H	147.0	23



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.1 Test Results Above 1GHz (LTE Band 71 Uplink Worst Case Configuration) - 10MHz Bandwidth High Channel**



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	43.14	84.40	41.26	1000.0	1000.000	246.0	H	0.0	-9
1351.533333	49.82	84.40	34.58	1000.0	1000.000	175.0	V	96.0	-7
2580.633333	45.13	84.40	39.27	1000.0	1000.000	169.0	H	27.0	-2
3004.766667	41.93	84.40	42.47	1000.0	1000.000	287.0	H	26.0	0
6813.366667	49.19	84.40	35.21	1000.0	1000.000	148.0	V	22.0	5
10970.900000	54.01	84.40	30.39	1000.0	1000.000	226.0	V	243.0	14
14477.266666	59.57	84.40	24.83	1000.0	1000.000	239.0	H	292.0	16
17827.266666	63.20	84.40	21.21	1000.0	1000.000	227.0	H	74.0	23

**Average Data**

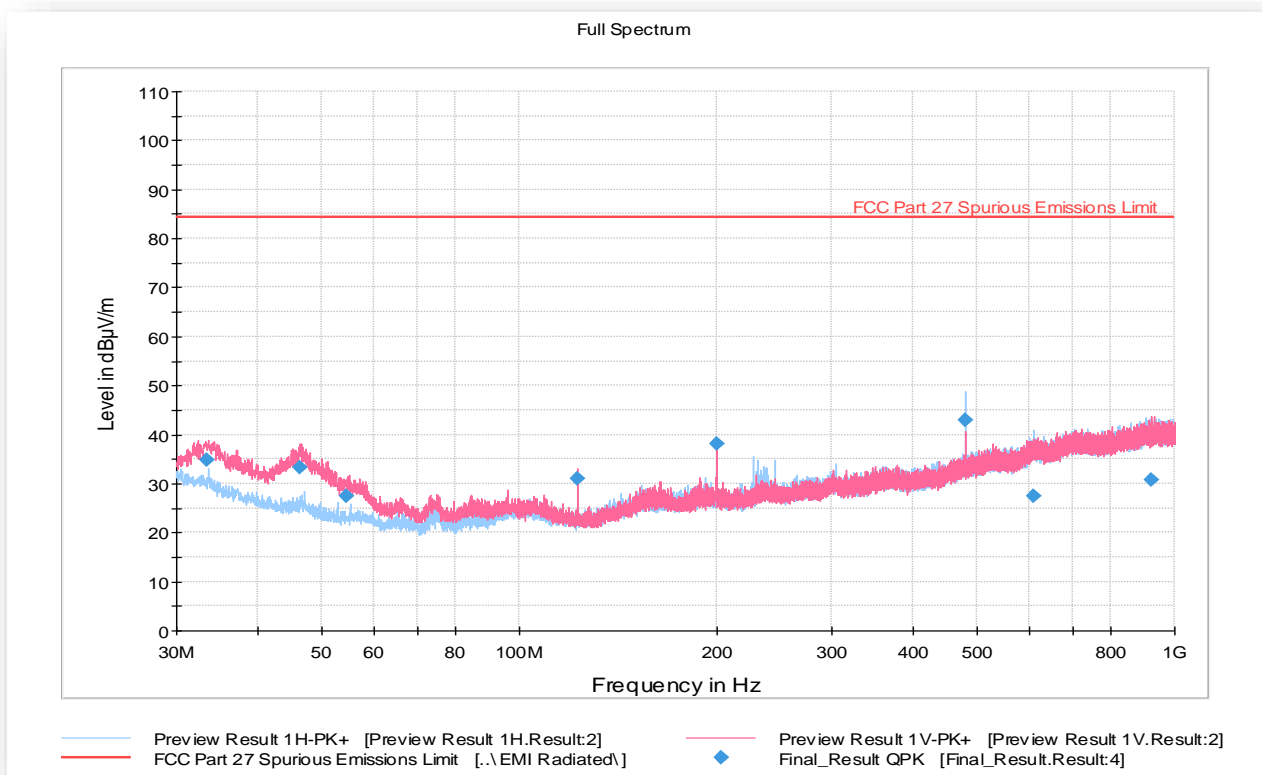
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	39.42	84.40	44.98	1000.0	1000.000	246.0	H	0.0	-9
1351.533333	44.15	84.40	40.25	1000.0	1000.000	175.0	V	96.0	-7
2580.633333	38.92	84.40	45.48	1000.0	1000.000	169.0	H	27.0	-2
3004.766667	28.77	84.40	55.63	1000.0	1000.000	287.0	H	26.0	0
6813.366667	36.59	84.40	47.81	1000.0	1000.000	148.0	V	22.0	5
10970.900000	41.13	84.40	43.27	1000.0	1000.000	226.0	V	243.0	14
14477.266666	46.77	84.40	37.63	1000.0	1000.000	239.0	H	292.0	16
17827.266666	49.71	84.40	34.69	1000.0	1000.000	227.0	H	74.0	23



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.2 Intermodulation Test Results Below 1GHz (2 Bands per port on 4 NU ports Uplink Worst Case Configuration)**

WCDMA Band 5 5MHz BW Mid Ch & LTE Band 12 5MHz BW Mid Ch transmit on NU port A  
 LTE Band 25 10MHz BW Low Ch & LTE Band 71 10MHz BW High Ch transmit on NU Port B  
 LTE Band 25 10MHz BW Low Ch & LTE Band 4 10MHz BW Mid Ch transmit on NU Port C  
 LTE Band 48 on NU Port D  
 LTE Modem transmit LTE Band 2 Middle Channel



**Quasi Peak Data**

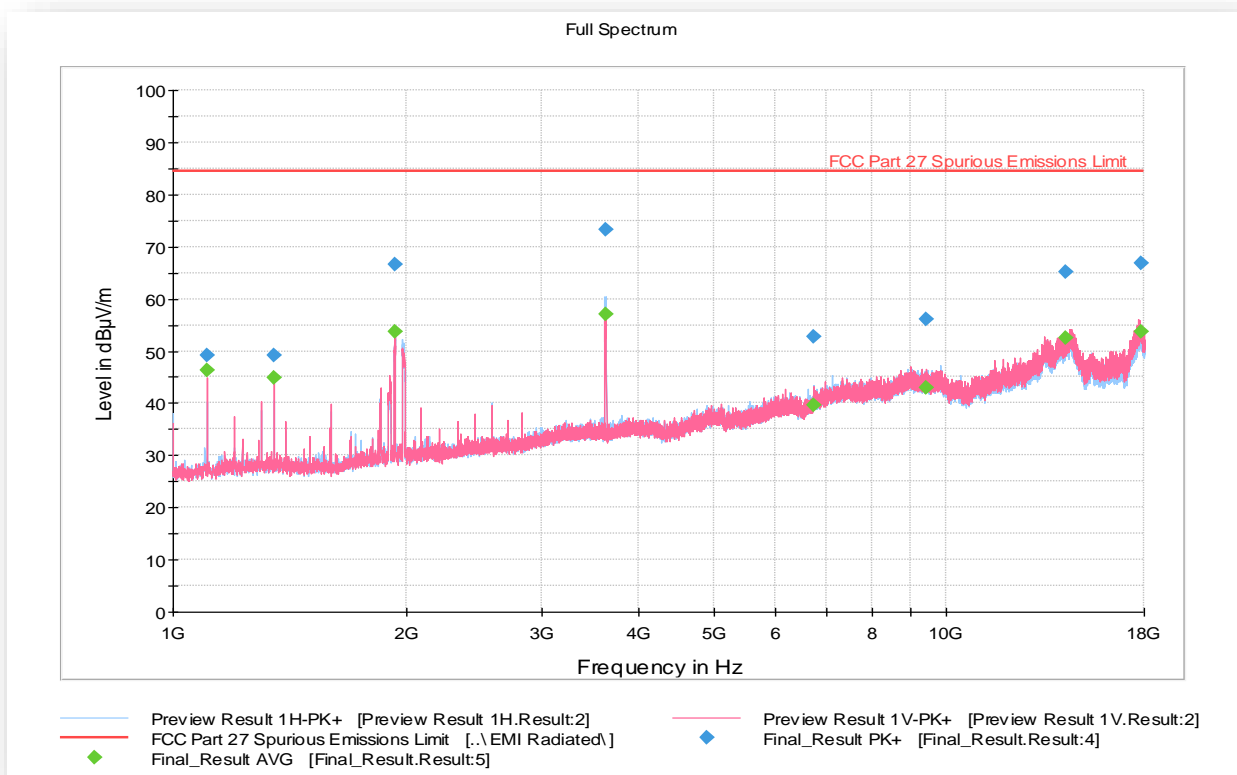
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
33.356667	34.71	84.40	49.69	1000.0	120.000	107.0	V	285.0	20
46.191333	33.37	84.40	51.03	1000.0	120.000	111.0	V	178.0	15
54.546000	27.53	84.40	56.87	1000.0	120.000	125.0	V	-20.0	14
122.861333	31.07	84.40	53.33	1000.0	120.000	100.0	V	179.0	14
200.008667	38.19	84.40	46.21	1000.0	120.000	100.0	V	198.0	17
479.983000	42.95	84.40	41.45	1000.0	120.000	205.0	H	296.0	25
609.659333	27.54	84.40	56.86	1000.0	120.000	354.0	H	348.0	27
921.007333	30.82	84.40	53.58	1000.0	120.000	246.0	V	98.0	31



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.12.3 Intermodulation Test Results Above 1GHz (2 Bands per port on 4 NU ports Uplink Worst Case Configuration)**

WCDMA Band 5 5MHz BW Mid Ch & LTE Band 12 5MHz BW Mid Ch transmit on NU port A  
 LTE Band 25 10MHz BW Low Ch & LTE Band 71 10MHz BW High Ch transmit on NU Port B  
 LTE Band 25 10MHz BW Low Ch & LTE Band 4 10MHz BW Mid Ch transmit on NU Port C  
 LTE Band 48 on NU Port D  
 LTE Modem transmit LTE Band 2 Middle Channel



**Peak Data**

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	49.14	84.40	35.26	1000.0	1000.000	255.0	V	62.0	-4
1351.533333	49.06	84.40	35.34	1000.0	1000.000	340.0	V	45.0	-3
1936.633333	66.47	84.40	17.93	1000.0	1000.000	340.0	H	355.0	0
3630.000000	73.28	84.40	11.12	1000.0	1000.000	303.0	H	38.0	4
6739.066667	52.67	84.40	31.73	1000.0	1000.000	335.0	H	330.0	9
9425.333333	56.14	84.40	28.26	1000.0	1000.000	335.0	V	10.0	13
14248.000000	65.15	84.40	19.25	1000.0	1000.000	240.0	V	292.0	21
17835.633333	66.74	84.40	17.66	1000.0	1000.000	172.0	V	14.0	27

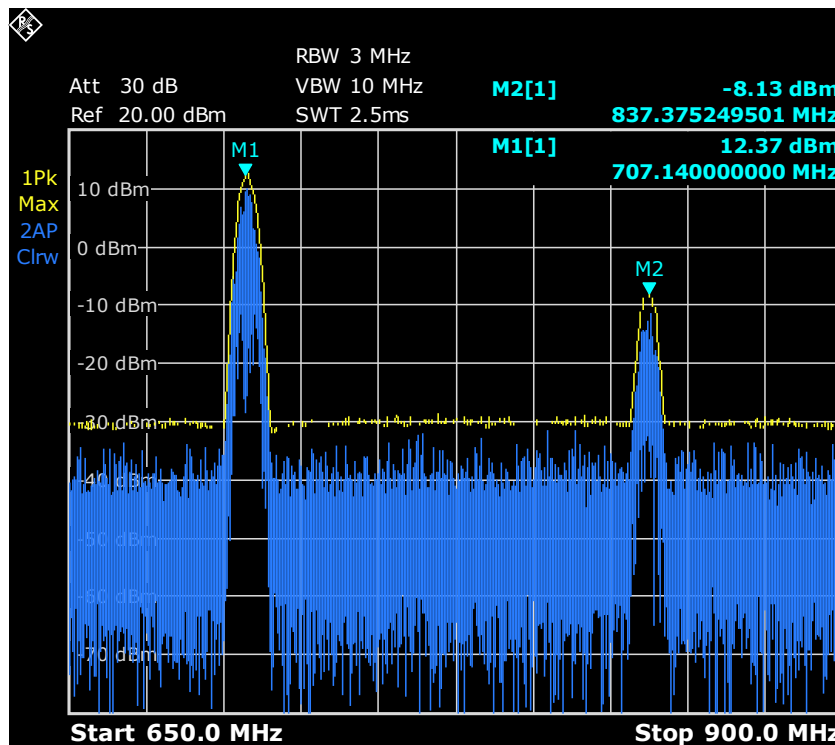


FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**Average Data**

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1106.000000	46.40	84.40	38.00	1000.0	1000.000	255.0	V	62.0	-4
1351.533333	44.94	84.40	39.46	1000.0	1000.000	340.0	V	45.0	-3
1936.633333	53.62	84.40	30.78	1000.0	1000.000	340.0	H	355.0	0
3630.000000	56.96	84.40	27.44	1000.0	1000.000	303.0	H	38.0	4
6739.066667	39.69	84.40	44.71	1000.0	1000.000	335.0	H	330.0	9
9425.333333	43.04	84.40	41.36	1000.0	1000.000	335.0	V	10.0	13
14248.00000	52.39	84.40	32.01	1000.0	1000.000	240.0	V	292.0	21
17835.63333	53.73	84.40	30.67	1000.0	1000.000	172.0	V	14.0	27

**2.12.4 Intermodulation verification plots (antenna port measurements)**



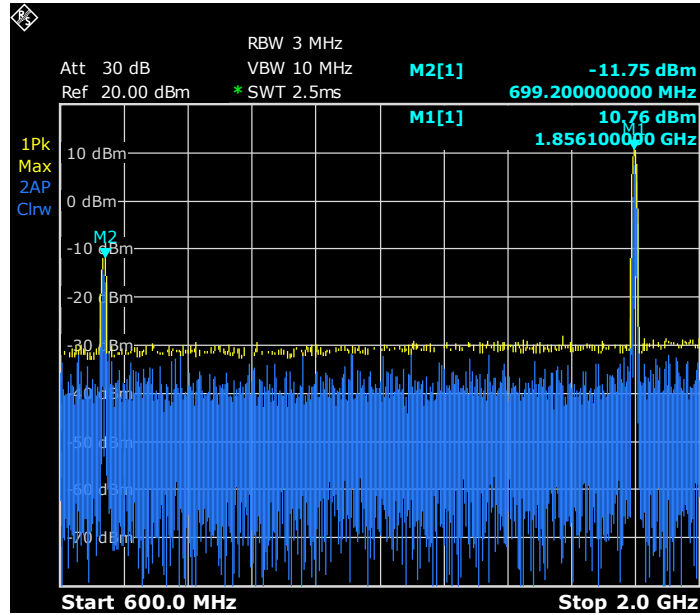
Date: 6.JAN.2023 09:57:44

**NU Port A**



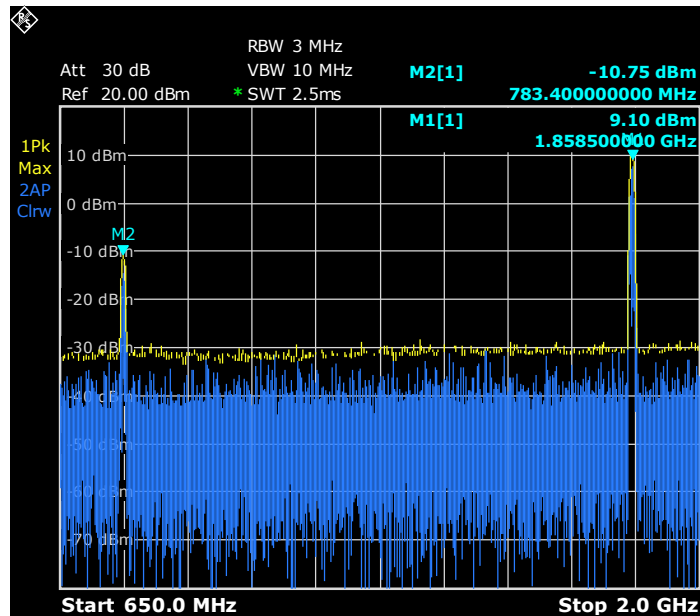


FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
IC: N/A



Date: 6.JAN.2023 10:01:41

### NU Port B

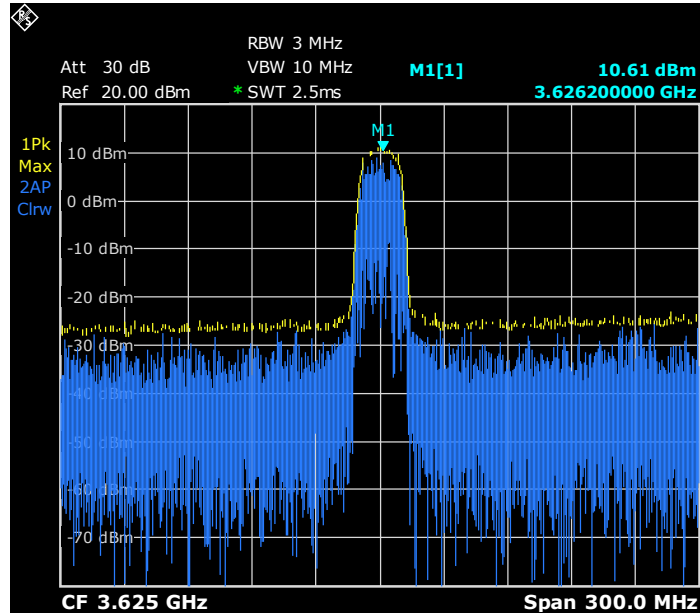


Date: 6.JAN.2023 10:03:54

### NU Port C



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
IC: N/A



Date: 6.JAN.2023 10:06:55

### NU Port D



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
IC: N/A

## **2.13 Out Of Band Gain Limit**

### **2.13.1 Specification Reference**

FCC 47 CFR Part 20. Clause 20.21(e)(9)(i)(E)  
KDB935210 D04, Clause 7.15

### **2.13.2 Standard Applicable**

FCC 47 CFR Part 20. Clause 20.21(e)(9)(i)(E) Out of Band Gain Limits:

(1) A frequency selective booster shall have the following minimum attenuation referenced to the gain in the center of the pass band of the booster:

- (i) -20 dB at the band edge, where band edge is the end of the licensee's allocated spectrum,
- (ii) -30 dB at 1 MHz offset from band edge,
- (iii) -40 dB at 5 MHz offset from band edge.

(2) A frequency selective booster having maximum gain greater than 80 dB (referenced to the center of the pass band) shall limit the out of band gain to 60 dB at 0.2 MHz offset from the band edge, and 45 dB at 1 MHz offset from the band edge, where band edge is the end of the licensee's allocated spectrum.

### **2.13.3 Equipment Under Test and Modification State**

Serial No: 370920000139 (NU)and 371929000156 (CU) / Test Configuration C and D

### **2.13.4 Date of Test/Initial of test personnel who performed the test**

August 14 to September 06, and October 27, 2019/XYZ

### **2.13.5 Test Equipment Used**

The major items of test equipment used for the above tests are identified in Section 3.1.

### **2.13.6 Environmental Conditions**

Test performed at TÜV SÜD America Inc. Mira Mesa facility.

Ambient Temperature	25.8 - 26.4°C
Relative Humidity	31.1 - 53.7%
ATM Pressure	98.5 - 99.1kPa

### **2.13.7 Additional Observations**

- This is conducted Test. Test procedure is per Section 7.15 of KDB935210 (D04 Provider Specific Booster Measurements v02r03). Appropriate offset (line losses) applied.
- Downlink was tested according to 7.15.1 of KDB935210. The signal generator was set to transmit a CW signal with output power level set to that as determined in clause 7.2.2 of KDB935210.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

- Uplink which has narrowband protection function was tested according to 7.15.2 of KDB93521. One signal generator produced a band-limited AWGN signal with an OBW (99%) of 4.1 MHz with output power level set to that as determined in clause 7.2.2 of KDB935210. A second signal generator produced a band-limited AWGN signal with an OBW (99%) of 200 kHz with output power level set to a level that is 20 dB higher than the level determined from 7.2.2 of KDB935210.
- The EUT operated in Test Mode with the gain set to the maximum gain and a minimum bandwidth setting (5MHz).
- Setup the EUT according to Figure 2 or 3 of Section 6.3.3 of KDB935210 D04 as appropriate.
- Evaluations are conducted at CU and NU antenna ports.
- Operational uplink and downlink bands for WCDMA Band 5 and LTE Band 4, 12, 13, 25, 30, 71 were tested.

**2.13.8 Test Results**

Out of Band Gain Limit – WCDMA Band 5 Downlink (869 – 894 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-82.16	10.45	92.61	-
0 (Low Band Edge)	-82.40	-65.03	17.37	72.61
-0.2	-82.52	-64.58	17.94	60
-1	-82.11	-64.27	17.84	45
-5	-82.25	-62.98	19.27	52.61
0 (High Band Edge)	-82.47	-65.53	16.94	72.61
+0.2	-82.04	-64.68	17.36	60
+1	-82.39	-64.32	18.07	45
+5	-82.17	-65.48	16.69	52.61



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

Out of Band Gain Limit - WCDMA Band 5 Uplink (824 – 849 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-76.69	17.01	93.70	-
0 (Low Band Edge)	-72.16	-64.02	8.14	73.70
-0.2	-71.52	-64.66	6.86	60
-1	-70.76	-66.21	4.55	45
-5	-71.93	-64.56	7.37	53.70
0 (High Band Edge)	-70.62	-65.73	4.89	73.70
+0.2	-70.92	-65.80	5.12	60
+1	-70.59	-65.04	5.55	45
+5	-69.37	-63.25	6.12	53.70

Out of Band Gain Limit – LTE Band 4 Downlink (2110 – 2155 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-85.30	10.87	96.17	-
0 (Low Band Edge)	-85.71	-46.81	38.90	76.17
-0.2	-84.72	-72.23	12.49	60
-1	-85.24	-70.78	14.46	45
-5	-85.74	-70.71	15.03	56.17
0 (High Band Edge)	-85.78	-70.13	15.65	76.17
+0.2	-85.62	-71.91	13.71	60
+1	-86.16	-71.81	14.35	45
+5	-85.39	-71.15	14.24	56.17



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

Out of Band Gain Limit - LTE Band 4 Uplink (1710 – 1755 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-75.09	19.04	94.13	-
0 (Low Band Edge)	-69.63	-65.17	4.46	74.13
-0.2	-69.22	-65.53	3.69	60
-1	-69.88	-63.44	6.44	45
-5	-68.76	-65.53	3.23	54.13
0 (High Band Edge)	-69.24	-64.95	4.29	74.13
+0.2	-69.54	-65.35	4.19	60
+1	-69.23	-64.61	4.62	45
+5	-68.36	-64.01	4.35	74.13

Out of Band Gain Limit – LTE Band 12 Downlink (729 – 746MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-82.47	7.56	90.03	-
0 (Low Band Edge)	-82.75	-69.45	13.30	70.03
-0.2	-82.27	-68.46	13.81	60
-1	-82.66	-69.35	13.31	45
-5	-83.26	-69.58	13.68	50.03
0 (High Band Edge)	-82.91	-68.27	14.64	70.03
+0.2	-83.22	-69.79	13.43	60
+1	-82.77	-60.55	22.22	45
+5	-82.66	-60.34	22.32	50.03



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

Out of Band Gain Limit - LTE Band 12 Uplink (699 – 716MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-74.81	19.38	90.98	-
0 (Low Band Edge)	-72.37	-70.58	7.2	70.98
-0.2	-72.41	-68.72	6.88	60
-1	-72.15	-70.25	8.71	45
-5	-71.86	-70.46	6.33	50.98
0 (High Band Edge)	-72.89	-70.23	7.94	70.98
+0.2	-72.52	-70.50	7.17	60
+1	-72.10	-70.36	7.49	45
+5	-72.11	-69.87	8.1	50.98

Out of Band Gain Limit – LTE Band 13 Downlink (746 – 756MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-82.20	10.28	92.48	-
0 (Low Band Edge)	-82.47	-55.59	26.88	72.48
-0.2	-82.23	-57.36	24.87	60
-1	-82.19	-60.32	21.87	45
-5	-82.01	-71.79	10.22	52.48
0 (High Band Edge)	-81.95	-59.67	22.28	72.48
+0.2	-82.34	-58.89	23.45	60
+1	-82.78	-62.81	19.97	45
+5	-82.25	-74.60	7.65	52.48



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

Out of Band Gain Limit – LTE Band 13 Uplink (777 – 787 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-73.65	13.61	87.26	-
0 (Low Band Edge)	-71.27	-65.59	5.68	67.26
-0.2	-69.64	-64.42	5.22	60
-1	-70.03	-66.67	3.36	45
-5	-71.08	-65.53	5.55	47.26
0 (High Band Edge)	-70.59	-65.50	5.09	67.26
+0.2	-69.89	-64.72	5.17	60
+1	-70.17	-64.96	5.21	45
+5	-70.95	-65.12	5.83	47.26

Out of Band Gain Limit – LTE Band 25 Downlink (1930 – 1995 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-86.59	7.62	94.21	-
0 (Low Band Edge)	-86.69	-64.25	22.44	74.21
-0.2	-86.48	-63.40	23.08	60
-1	-86.61	-63.30	23.31	45
-5	-86.65	-64.52	22.13	54.21
0 (High Band Edge)	-87.02	-64.61	22.41	74.21
+0.2	-86.96	-62.46	24.50	60
+1	-87.28	-63.93	23.35	45
+5	-87.06	-64.18	22.88	54.21





FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

Out of Band Gain Limit - LTE Band 25 Uplink (1850 – 1915 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-71.38	19.08	90.46	-
0 (Low Band Edge)	-69.36	-65.33	4.03	70.46
-0.2	-69.13	-62.43	6.7	60
-1	-69.89	-63.39	6.5	45
-5	-69.12	-63.05	6.07	50.46
0 (High Band Edge)	-69.22	-65.58	3.64	70.46
+0.2	-69.94	-64.37	5.57	60
+1	-70.15	-65.32	4.83	45
+5	-69.93	-64.96	4.97	50.46

Out of Band Gain Limit – LTE Band 30 Downlink (2350 – 2360 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-86.87	10.61	97.48	-
0 (Low Band Edge)	-86.71	-62.60	24.11	77.48
-0.2	-86.82	-62.25	24.57	60
-1	-86.30	-62.63	23.67	45
-5	-86.82	-64.66	22.16	57.48
0 (High Band Edge)	-86.33	-62.35	23.98	77.48
+0.2	-86.62	-61.72	24.90	60
+1	-86.79	-63.26	23.53	45
+5	-86.87	-63.95	22.92	57.48



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

Out of Band Gain Limit – LTE Band 30 Uplink (2305 – 2315 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-76.8	16.17	92.97	-
0 (Low Band Edge)	-75.82	-60.28	15.54	72.97
-0.2	-76.38	-61.09	15.29	60
-1	-75.64	-64.66	10.98	45
-5	-75.90	-61.62	14.28	52.97
0 (High Band Edge)	-74.21	-63.90	10.31	72.97
+0.2	-75.36	-63.53	11.83	60
+1	-74.51	-62.59	11.92	45
+5	-75.25	-62.53	12.72	52.97

Out of Band Gain Limit – LTE Band 71 Downlink (617 – 652 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-86.50	8.23	94.73	-
0 (Low Band Edge)	-86.79	-65.30	21.49	74.73
-0.2	-86.58	-65.14	21.44	60
-1	-86.48	-63.50	22.98	45
-5	-86.96	-65.21	21.75	54.73
0 (High Band Edge)	-86.69	-64.47	22.22	74.73
+0.2	-86.84	-64.48	22.36	60
+1	-86.95	-63.71	23.24	45
+5	-86.67	-65.47	21.20	54.73



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

Out of Band Gain Limit – LTE Band 71 Uplink (663 – 698 MHz)				
Offset (MHz)	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Gain Limit (dB)
Centre Frequency	-78.53	19.41	97.94	-
0 (Low Band Edge)	-73.0	-59.12	13.88	77.94
-0.2	-74.42	-64.32	10.10	60
-1	-74.05	-63.21	10.84	45
-5	-73.72	-68.45	5.27	57.94
0 (High Band Edge)	-73.75	-57.94	15.81	77.94
+0.2	-73.88	-60.83	13.05	60
+1	-73.67	-60.28	13.39	45
+5	-72.23	-62.67	9.56	57.94



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.14 Frequency Stability**

**2.14.1 Specification Reference**

FCC 47 CFR Part 2, Clause 2.1055  
 FCC 47 CFR Part 22, Clause 22.355  
 FCC 47 CFR Part 24, Clause 24.235  
 FCC 47 CFR Part 27, Clause 27.54

**2.14.2 Standard Applicable**

FCC Part 22.355:  
 The carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section.

Table C-1 Frequency Tolerance for Transmitters in the Public Mobile Services			
Frequency Range (MHz)	Base, fixed (ppm)	Mobile >3 watts (ppm)	Mobile ≤3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929	5.0	N/A	N/A
929 to 960	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

FCC Part 24.235:  
 The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

FCC 47 CFR Part 27, Clause 27.54:  
 The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

**2.14.3 Equipment Under Test and Modification State**

Serial No: 110222000051 and 481222000175 / Test Configuration A and B

**2.14.4 Date of Test/Initial of test personnel who performed the test**

December 03 and December 04, 2022 / FSC

**2.14.5 Test Equipment Used**

The major items of test equipment used for the above tests are identified in Section 3.1.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
IC: N/A

### 2.14.6 Environmental Conditions

Test performed at TÜV SÜD America Inc. Mira Mesa facility.

Ambient Temperature	22.4 °C	22.5 °C
Relative Humidity	42.7 %	44.2 %
ATM Pressure	100.7 kPa	100.8 kPa

### 2.14.7 Additional Observations

- This is a conducted test.
- The EUT was operated at 120 VAC nominal voltage and was placed in the temperature chamber for the series of temperature variation evaluations performed starting at ambient (20°C) temperature. Voltage variation is performed at 85% and 115% of the nominal voltage at 20 °C only.
- The Temperature is then set to 50°C and allowed to sit for 1 hour to allow the equipment and chamber temperature to stabilize. The measurements on both downlink and uplink were then performed. The temperature was then decreased by 10°C steps and allowed to settle before taking the next set of measurements.
- EUT was injected a CW signal from a Signal Generator and maximum frequency error was monitored using the spectrum analyser.
- 5MHz bandwidth Middle Channel was tested as the representative configuration.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

**2.14.8 Test Results Summary**

<b>WCDMA Band 5 Downlink</b>			
<i>Voltage (VAC)</i>	<i>Temperature (°C)</i>	<i>Frequency Deviation (ppm)</i>	<i>Limit (ppm)</i>
<b>120</b>	-30	-0.01	1.5
	-20	-0.01	1.5
	-10	-0.01	1.5
	0	-0.01	1.5
	+10	-0.01	1.5
	+20	-0.01	1.5
	+30	-0.01	1.5
	+40	-0.01	1.5
	+50	-0.01	1.5

<b>WCDMA Band 5 Downlink</b>			
<i>Temperature (°C)</i>	<i>Voltage (VAC)</i>	<i>Frequency Deviation (ppm)</i>	<i>Limit (ppm)</i>
<b>20</b>	102	-0.01	1.5
	138	-0.01	1.5



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

WCDMA Band 5 Uplink			
<i>Voltage (VAC)</i>	<i>Temperature (°C)</i>	<i>Frequency Deviation (ppm)</i>	<i>Limit (ppm)</i>
<b>120</b>	-30	-0.01	1.5
	-20	-0.01	1.5
	-10	-0.01	1.5
	0	-0.01	1.5
	+10	-0.01	1.5
	+20	-0.01	1.5
	+30	-0.01	1.5
	+40	-0.01	1.5
	+50	-0.01	1.5

WCDMA Band 5 Uplink			
<i>Temperature (°C)</i>	<i>Voltage (VAC)</i>	<i>Frequency Deviation (ppm)</i>	<i>Limit (ppm)</i>
<b>20</b>	102	-0.01	1.5
	138	-0.01	1.5



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE Band 25 Downlink			
Voltage (VAC)	Temperature (°C)	Frequency Deviation (ppm)	Limit (ppm)
120	-30	-0.01	1.0
	-20	-0.01	1.0
	-10	-0.01	1.0
	0	-0.01	1.0
	+10	-0.01	1.0
	+20	-0.01	1.0
	+30	-0.01	1.0
	+40	-0.01	1.0
	+50	-0.01	1.0

LTE Band 25 Downlink			
Temperature (°C)	Voltage (VAC)	Frequency Deviation (ppm)	Limit (ppm)
20	102	-0.01	1.0
	138	-0.01	1.0





FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE Band 25 Uplink			
Voltage (VAC)	Temperature (°C)	Frequency Deviation (ppm)	Limit (ppm)
120	-30	-0.01	1.0
	-20	-0.01	1.0
	-10	-0.01	1.0
	0	-0.01	1.0
	+10	-0.01	1.0
	+20	-0.01	1.0
	+30	-0.01	1.0
	+40	-0.01	1.0
	+50	-0.01	1.0

LTE Band 25 Uplink			
Temperature (°C)	Voltage (VAC)	Frequency Deviation (ppm)	Limit (ppm)
20	102	-0.01	1.0
	138	-0.01	1.0



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE B4 Downlink – 5 MHz BW Middle Channel 2132.5 MHz			
Voltage (VAC)	Temperature (°C)	Frequency Deviation (ppm)	Limit (ppm)
120	-30	-0.01	-
	-20	-0.01	-
	-10	-0.01	-
	0	-0.01	-
	+10	-0.01	-
	+20	-0.01	-
	+30	-0.01	-
	+40	-0.01	-
102	+20	-0.01	-
138		-0.01	-

LTE B4 Downlink Frequency Range – 5 MHz BW					
Channel	Temperature (°C)	Voltage (VAC)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)
Low Channel	-30	120	2110.1880	-	>2110
	+20	102	2110.1872	-	
		120	2110.1874	-	
		138	2110.1874	-	
	+50	120	2110.1872	-	
High Channel	-30	120	-	2154.8158	<2155
	+20	102	-	2154.8150	
		120	-	2154.8152	
		138	-	2154.8150	
	+50	120	-	2154.8152	

The frequency stability of the EUT is sufficient to keep it within the authorized frequency ranges at any temperature interval and voltage variations across the measured range.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE B4 Uplink – 5 MHz BW Middle Channel 1732.5 MHz			
Voltage (VAC)	Temperature (°C)	Frequency Deviation (ppm)	Limit (ppm)
120	-30	-0.01	-
	-20	-0.01	-
	-10	-0.01	-
	0	-0.01	-
	+10	-0.01	-
	+20	-0.01	-
	+30	-0.01	-
	+40	-0.01	-
102	+20	-0.01	-
138		-0.01	-

LTE B4 Uplink Frequency Range – 5 MHz BW					
Channel	Temperature (°C)	Voltage (VAC)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)
Low Channel	-30	120	1710.1855	-	>1710
	+20	102	1710.1852	-	
		120	1710.1850	-	
		138	1710.1855	-	
	+50	120	1710.1852	-	
High Channel	-30	120	-	1754.8084	<1755
	+20	102	-	1754.8087	
		120	-	1754.8087	
		138	-	1754.8085	
	+50	120	-	1754.8085	

The frequency stability of the EUT is sufficient to keep it within the authorized frequency ranges at any temperature interval and voltage variations across the measured range.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE B12 Downlink – 5 MHz BW Middle Channel 737.5 MHz			
Voltage (VAC)	Temperature (°C)	Frequency Deviation (ppm)	Limit (ppm)
120	-30	-0.01	-
	-20	-0.01	-
	-10	-0.01	-
	0	-0.01	-
	+10	-0.01	-
	+20	-0.01	-
	+30	-0.01	-
	+40	-0.01	-
102	+20	-0.01	-
		138	-0.01

LTE B12 Downlink Frequency Range – 5 MHz BW					
Channel	Temperature (°C)	Voltage (VAC)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)
Low Channel	-30	120	729.2050	-	>729
	+20	102	729.2047	-	
		120	729.2046	-	
		138	729.2046	-	
	+50	120	729.2048	-	
High Channel	-30	120	-	745.8251	<746
	+20	102	-	745.8245	
		120	-	745.8245	
		138	-	745.8245	
	+50	120	-	745.8247	

The frequency stability of the EUT is sufficient to keep it within the authorized frequency ranges at any temperature interval and voltage variations across the measured range.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE B12 Uplink – 5 MHz BW Middle Channel 707.5 MHz			
Voltage (VAC)	Temperature (°C)	Frequency Deviation (ppm)	Limit (ppm)
120	-30	-0.01	-
	-20	-0.01	-
	-10	-0.01	-
	0	-0.01	-
	+10	-0.01	-
	+20	-0.01	-
	+30	-0.01	-
	+40	-0.01	-
102	+20	-0.01	-
		138	-0.01

LTE B12 Uplink Frequency Range – 5 MHz BW					
Channel	Temperature (°C)	Voltage (VAC)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)
Low Channel	-30	120	699.1944	-	>699
	+20	102	699.1944	-	
		120	699.1943	-	
		138	699.1943	-	
	+50	120	699.1945	-	
High Channel	-30	120	-	715.8148	<716
	+20	102	-	715.8153	
		120	-	715.8153	
		138	-	715.8153	
	+50	120	-	715.8155	

The frequency stability of the EUT is sufficient to keep it within the authorized frequency ranges at any temperature interval and voltage variations across the measured range.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE B13 Downlink – 5 MHz BW Middle Channel 751 MHz			
Voltage (VAC)	Temperature (°C)	Frequency Deviation (ppm)	Limit (ppm)
120	-30	-0.01	-
	-20	-0.01	-
	-10	-0.01	-
	0	-0.01	-
	+10	-0.01	-
	+20	-0.01	-
	+30	-0.01	-
	+40	-0.01	-
102	+20	-0.01	-
138		-0.01	-

LTE B13 Downlink Frequency Range – 5 MHz BW					
Channel	Temperature (°C)	Voltage (VAC)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)
Low Channel	-30	120	746.1542	-	>746
	+20	102	746.1545	-	
		120	746.1544	-	
		138	746.1545	-	
	+50	120	746.1543	-	
High Channel	-30	120	-	755.8480	<756
	+20	102	-	755.8482	
		120	-	755.8482	
		138	-	755.8480	
	+50	120	-	755.8483	

The frequency stability of the EUT is sufficient to keep it within the authorized frequency ranges at any temperature interval and voltage variations across the measured range.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE B13 Uplink – 5 MHz BW Middle Channel 782 MHz				
Voltage (VAC)	Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
120	-30	4.8	-0.01	-
	-20	4.8	-0.01	-
	-10	4.7	-0.01	-
	0	5.0	-0.01	-
	+10	5.0	-0.01	-
	+20	5.0	-0.01	-
	+30	5.0	-0.01	-
	+40	7.0	-0.01	-
	+50	4.0	-0.01	-
102	+20	5.0	-0.01	-
138		5.2	-0.01	-

LTE B13 Uplink Frequency Range – 5 MHz BW					
Channel	Temperature (°C)	Voltage (VAC)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)
Low Channel	-30	120	777.1902	-	>777
	+20	102	777.1904	-	
		120	777.1905	-	
		138	777.1906	-	
	+50	120	777.1903	-	
High Channel	-30	120	-	786.8164	<787
	+20	102	-	786.8172	
		120	-	786.8162	
		138	-	786.8160	
	+50	120	-	786.8168	

The frequency stability of the EUT is sufficient to keep it within the authorized frequency ranges at any temperature interval and voltage variations across the measured range.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE B30 Downlink – 5 MHz BW Middle Channel 2355 MHz				
Voltage (VAC)	Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
120	-30	14.8	-0.01	-
	-20	14.8	-0.01	-
	-10	14.6	-0.01	-
	0	14.5	-0.01	-
	+10	14.5	-0.01	-
	+20	14.5	-0.01	-
	+30	14.9	-0.01	-
	+40	14.7	-0.01	-
	+50	14.7	-0.01	-
102	+20	14.5	-0.01	-
138		14.5	-0.01	-

LTE B30 Downlink Frequency Range – 5 MHz BW					
Channel	Temperature (°C)	Voltage (VAC)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)
Low Channel	-30	120	2350.1620	-	>2350
	+20	102	2350.1617	-	
		120	2350.1615	-	
		138	2350.1615	-	
	+50	120	2350.1617	-	
High Channel	-30	120	-	2359.8268	<2359.9
	+20	102	-	2359.8269	
		120	-	2359.8267	
		138	-	2359.8268	
	+50	120	-	2359.8271	

The frequency stability of the EUT is sufficient to keep it within the authorized frequency ranges at any temperature interval and voltage variations across the measured range.





FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE B30 Uplink – 5 MHz BW Middle Channel 2310 MHz				
Voltage (VAC)	Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
120	-30	15.2	-0.01	-
	-20	15.7	-0.01	-
	-10	14.8	-0.01	-
	0	14.4	-0.01	-
	+10	14.2	-0.01	-
	+20	14.7	-0.01	-
	+30	14.7	-0.01	-
	+40	14.5	-0.01	-
	+50	14.3	-0.01	-
102	+20	14.7	-0.01	-
138		14.7	-0.01	-

LTE B30 Uplink Frequency Range – 5 MHz BW					
Channel	Temperature (°C)	Voltage (VAC)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)
Low Channel	-30	120	2305.1785	-	>2305
	+20	102	2305.1791	-	
		120	2305.1791	-	
		138	2305.1792	-	
	+50	120	2305.1789	-	
High Channel	-30	120	-	2314.8160	<2315
	+20	102	-	2314.8154	
		120	-	2314.8152	
		138	-	2314.8152	
	+50	120	-	2314.8156	

The frequency stability of the EUT is sufficient to keep it within the authorized frequency ranges at any temperature interval and voltage variations across the measured range.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE B71 Downlink – 5 MHz BW Middle Channel 634.5 MHz				
Voltage (VAC)	Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
120	-30	4.5	-0.01	-
	-20	4.5	-0.01	-
	-10	4.2	-0.01	-
	0	4.4	-0.01	-
	+10	4.4	-0.01	-
	+20	4.5	-0.01	-
	+30	4.3	-0.01	-
	+40	4.4	-0.01	-
	+50	4.0	-0.01	-
102	+20	4.5	-0.01	-
138		4.5	-0.01	-

LTE B71 Downlink Frequency Range – 5 MHz BW					
Channel	Temperature (°C)	Voltage (VAC)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)
Low Channel	-30	120	617.1792	-	>617
	+20	102	617.1790	-	
		120	617.1790	-	
		138	617.1791	-	
	+50	120	617.1789	-	
High Channel	-30	120	-	651.8286	<652
	+20	102	-	651.8285	
		120	-	651.8284	
		138	-	651.8284	
	+50	120	-	651.8283	

The frequency stability of the EUT is sufficient to keep it within the authorized frequency ranges at any temperature interval and voltage variations across the measured range.



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

LTE B71 Uplink – 5 MHz BW Middle Channel 680.5 MHz				
Voltage (VAC)	Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
120	-30	5.4	-0.01	-
	-20	5.0	-0.01	-
	-10	5.2	-0.01	-
	0	5.0	-0.01	-
	+10	4.8	-0.01	-
	+20	4.5	-0.01	-
	+30	4.3	-0.01	-
	+40	4.4	-0.01	-
	+50	4.2	-0.01	-
102	+20	4.5	-0.01	-
138		4.5	-0.01	-

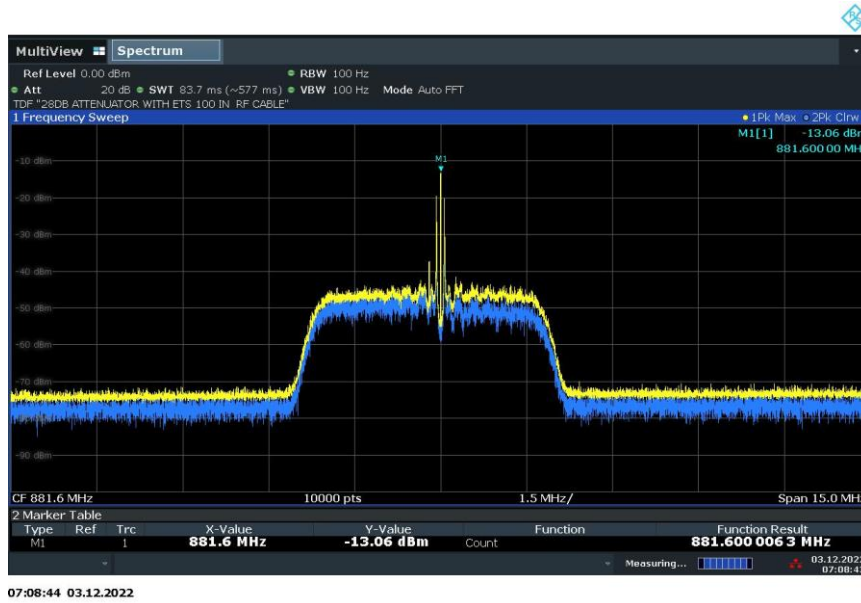
LTE B71 Uplink Frequency Range – 5 MHz BW					
Channel	Temperature (°C)	Voltage (VAC)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit (MHz)
Low Channel	-30	120	663.2092	-	>663
	+20	102	663.2090	-	
		120	663.2088	-	
		138	663.2088	-	
	+50	120	663.2086	-	
High Channel	-30	120	-	697.8132	<698
	+20	102	-	697.8127	
		120	-	697.8128	
		138	-	697.8127	
	+50	120	-	697.8130	

The frequency stability of the EUT is sufficient to keep it within the authorized frequency ranges at any temperature interval and voltage variations across the measured range.

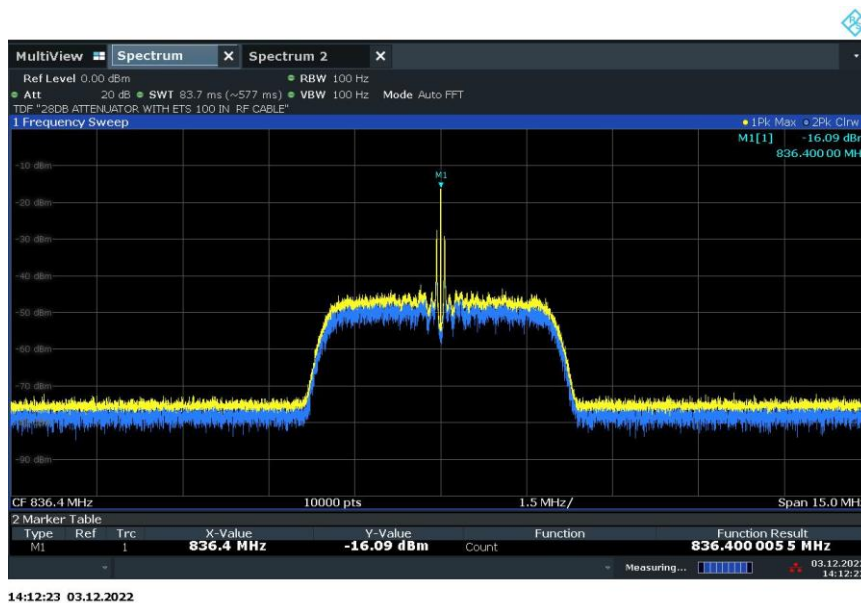


FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
IC: N/A

### 2.14.9 Sample Test Plots



WCDMA B5 Downlink Middle Channel 120VAC @ 20°C



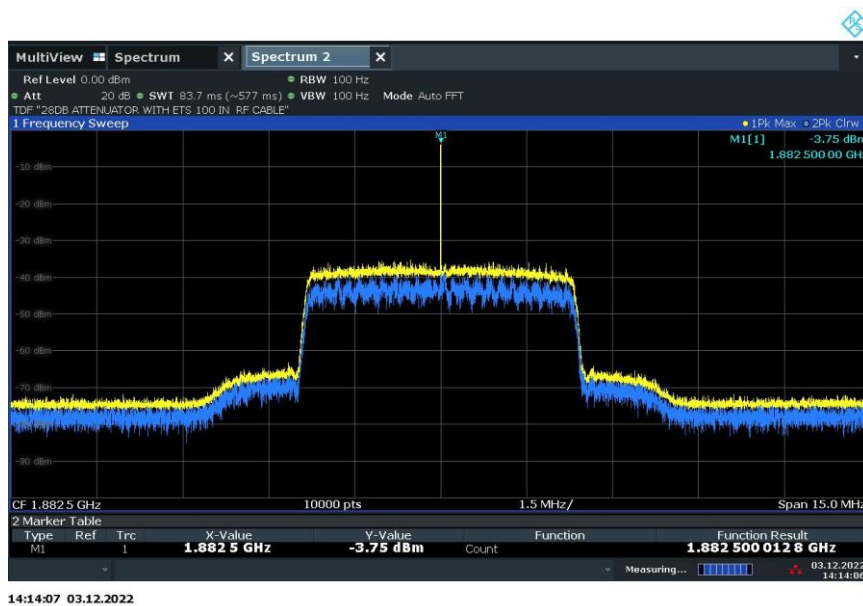
WCDMA B5 Uplink Middle Channel 120VAC @ -30°C



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
IC: N/A



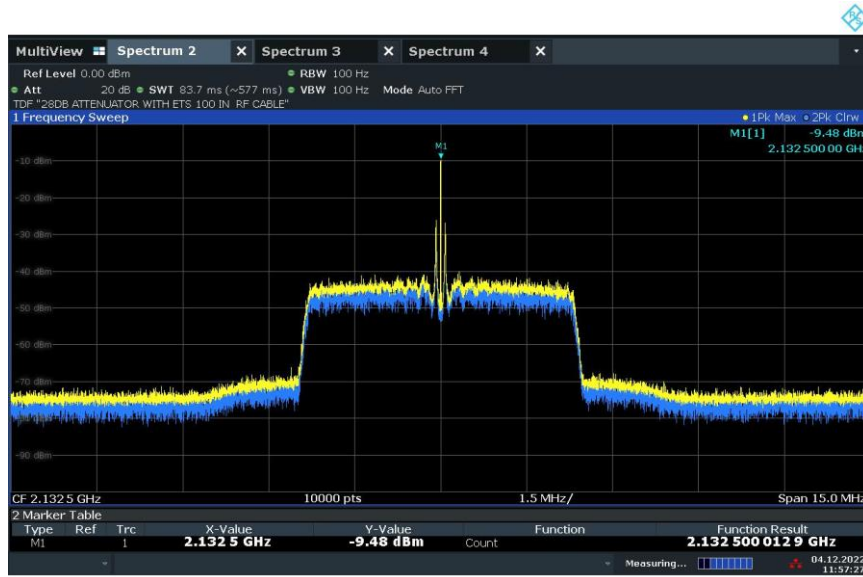
LTE B25 Downlink Middle Channel 120VAC @ 20°C



LTE B25 Uplink Middle Channel 120VAC @ -30°C

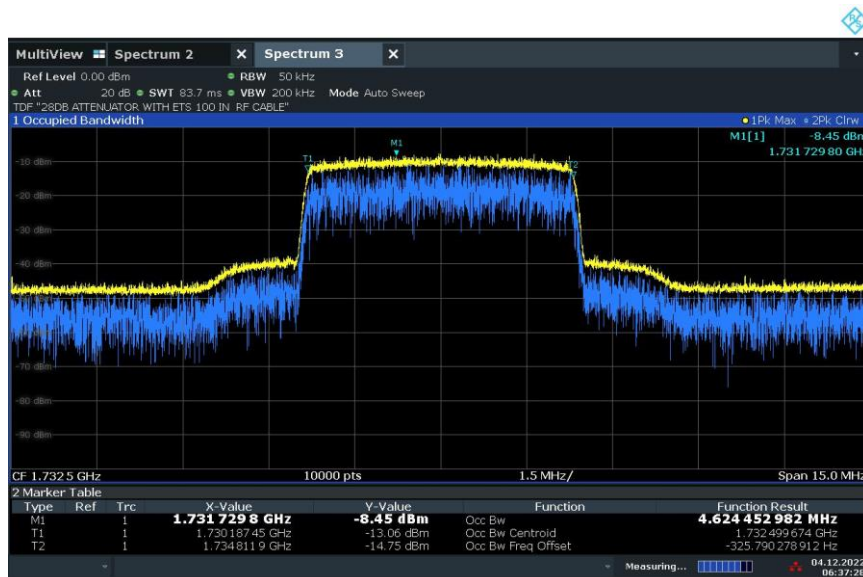


FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A



11:57:28 04.12.2022

LTE Band 4 Downlink Middle Channel 120VAC @ 30°C

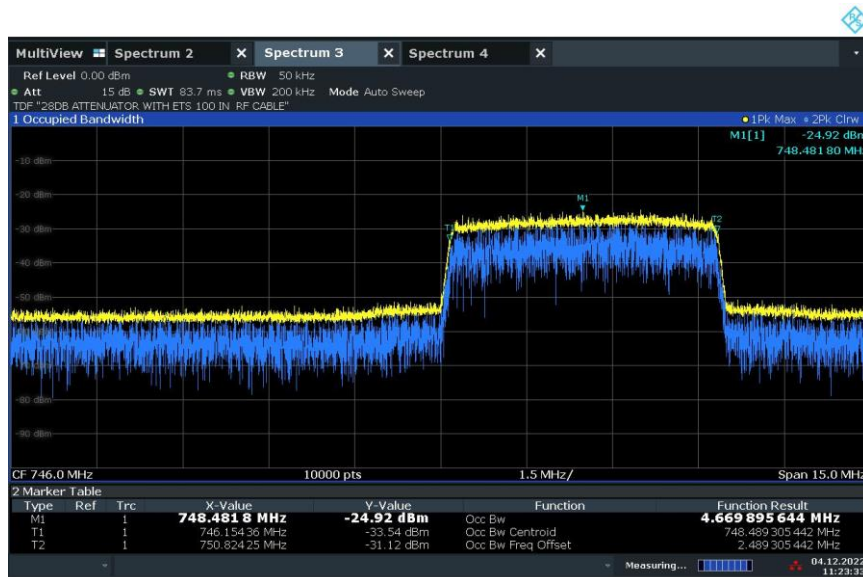


06:37:28 04.12.2022

LTE Band 4 Uplink Middle Channel OBW 120VAC @ 20°C

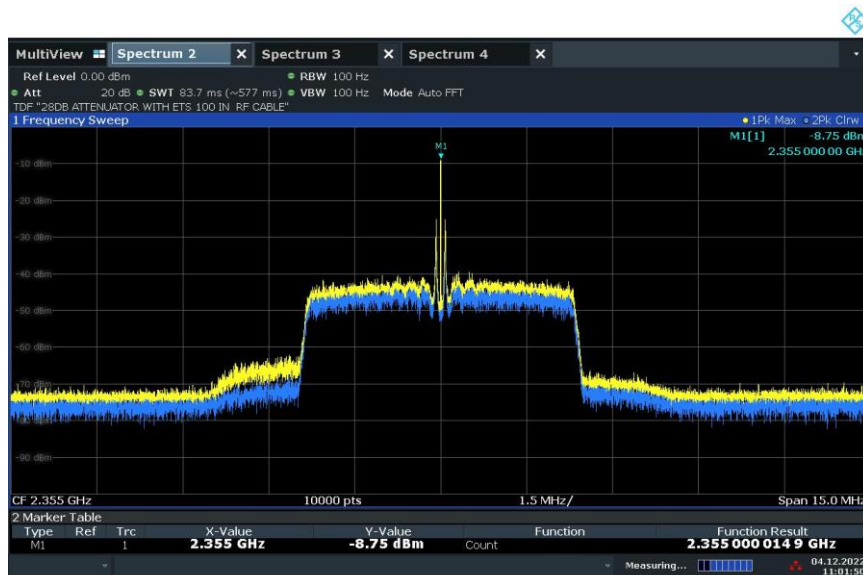


FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A



11:23:34 04.12.2022

### LTE B13 Downlink Low Channel OBW @ 30°C Nominal Voltage

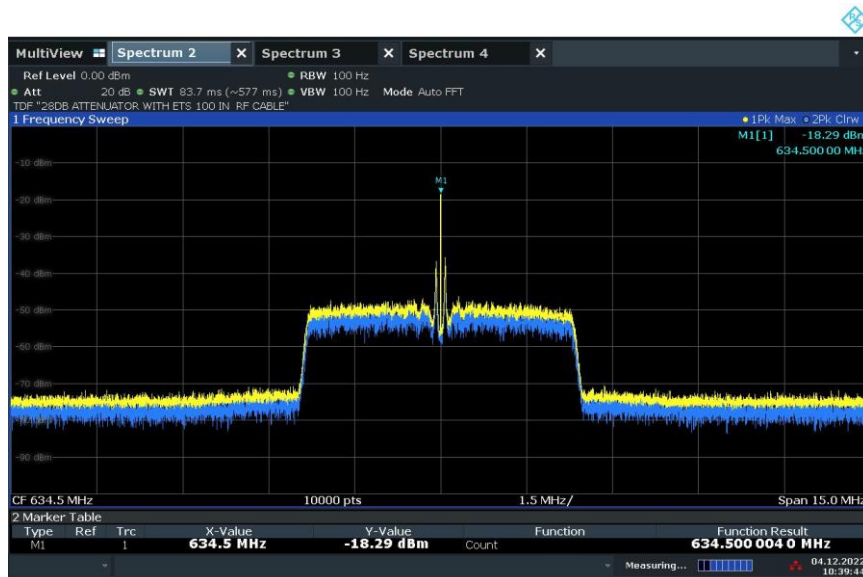


11:01:52 04.12.2022

### LTE B30 Downlink Middle Channel @ 40°C Nominal Voltage

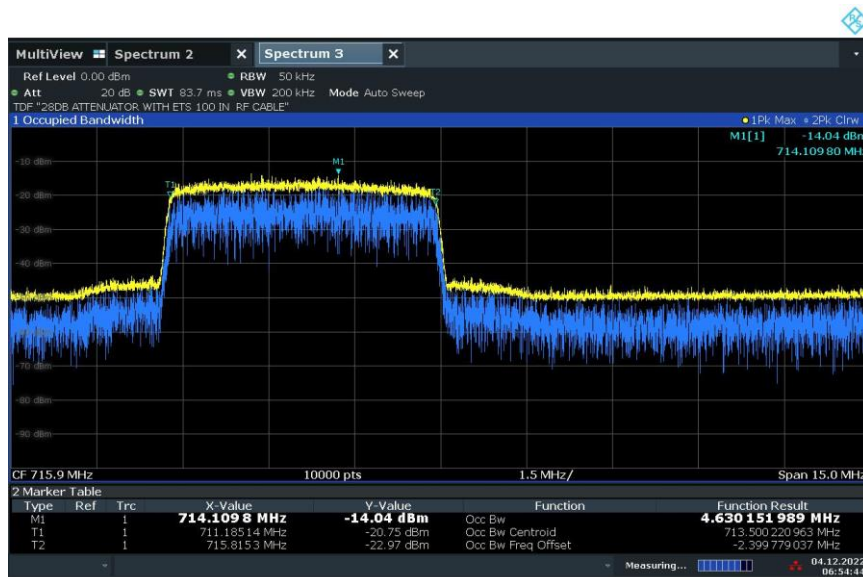


FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A



10:39:44 04.12.2022

**LTE B71 Downlink Middle Channel @ 40°C Nominal Voltage**



06:54:44 04.12.2022

**LTE B12 Uplink High Channel OBW @ 20°C Nominal Voltage**





FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

### 3 Test Equipment Used

#### 3.1 List of absolute measuring and other principal items of test equipment

Test Equipment List (Leveraged data)

Asset ID Number	Test Equipment	Type	Serial Number	Manufacturer	Cal Due Date
<b>Antenna Conducted Port Setup</b>					
7608	Vector Signal Generator	SMBV100A	259021	Rhode & Schwarz	10/10/21
7582	Signal/Spectrum Analyzer	FSW26	101614	Rhode & Schwarz	01/07/20
7562	Wideband Radio Communication Tester	CMW 500	1201.0002k50/103829	Rhode & Schwarz	For Signalling
8825	20dB Attenuator	46-20-34	BK5773	Weinschel Corp.	Verified by 7608 and 7582
-	10dB Attenuator	VAT-10W2+2W	N/A	MCL	Verified by 7608 and 7582
<b>Miscellaneous</b>					
43003	True RMS Multimeter	85 III	96880143	Fluke	10/07/20
7619	Temp & Humidity Sensor	iBTHX-W	15050268	Omega	06/18/20



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

Asset ID Number	Test Equipment	Type	Serial Number	Manufacturer	Cal Due Date
<b>Antenna Conducted Port Setup</b>					
0618	ESG Vector Signal Generator	E4438C	MY49070886	Agilent	06/22/24
7611	Signal & Spectrum Analyzer	FSW26	102017	Rohde & Schwarz	02/09/23
6891	P-Series Power Meter	N1911A	MY45100905	Agilent	04/07/23
6892	50MHz Wideband Power Sensor	N1921A	SG45240281	Agilent	04/08/23
41493	4ft True Blue coax cable	R90-077-060	16-07-201	Teledyne	Verified by 0618 and 7611
8825	20dB Attenuator	46-20-34	BK5773	Weinschel Corp.	Verified by 0618 and 7611
<b>Radiated Test Setup</b>					
1002	Bilog Antenna	3142C	00058717	ETS-Lindgren	10/21/23
1051	Double-ridged waveguide horn antenna	3115	9408-4329	EMCO	09/12/24
7611	Signal & Spectrum Analyzer	FSW26	102017	Rohde & Schwarz	02/09/23
1049	EMI Test Receiver	ESU40	100133	Rohde & Schwarz	09/21/23
46797	Preamplifier	PS-122	181925	Com Power	12/03/24
7619	Barometer/ Temperature/Humidity Transmitter	iBTHX-W	15250268	Omega	05/27/23
<b>Conducted Emissions</b>					
SDRB1049	EMI Test Receiver	ESU40	100133	Rohde & Schwarz	09/21/23
SDGE07567	LISN	FCC-LISN-50-25-2-10	120304	Fischer Custom Comm.	03/28/23
SDGE08870	Bi-Directional Attenuator	34-20-34	BP8030	MCE / Weinschel	02/28/23
<b>Miscellaneous</b>					
47045	True RMS Multimeter	87V	18290478	Fluke	03/29/23
6610	Environmental Chamber	SH27	09963481-S	Envirotronics	01/12/23
SDGE07619	Barometer/ Temperature/Humidity Transmitter	iBTHX-W	15250268	Omega	05/27/23
	Test Software	EMC32	V10.60.20	Rhode & Schwarz	N/A



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
 IC: N/A

## 4 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

### 4.1 Conducted Antenna Port Measurement

	Input Quantity (Contribution) $X_i$	Value	Prob. Dist.	Divisor	$u_i(x)$	$u_i(x)^2$
1	Receiver reading	0.10 dB	Normal, k=1	1.000	0.10	0.01
2	Cable attenuation	1.00 dB	Normal, k=2	2.000	0.50	0.25
3	Receiver sinewave accuracy	0.08 dB	Normal, k=2	2.000	0.04	0.00
4	Receiver pulse amplitude	0.00 dB	Rectangular	1.732	0.00	0.00
5	Receiver pulse repetition rate	0.00 dB	Rectangular	1.732	0.00	0.00
6	Noise floor proximity	0.00 dB	Rectangular	1.732	0.00	0.00
7	Frequency interpolation	0.10 dB	Rectangular	1.732	0.06	0.00
8	Mismatch	0.07 dB	U-shaped	1.414	0.05	0.00
Combined standard uncertainty				Normal	0.52	dB
Expanded uncertainty				Normal, k=2	1.03	dB



FCC ID: NU: YETI44-1M34CNU and CU: YETI41-RECU  
IC: N/A

## 5 Accreditation, Disclaimers and Copyright

TÜV SÜD America Inc.'s reports apply only to the specific sample tested under stated test conditions. It is the manufacturer's responsibility to assure the continued compliance of production units of this model. TÜV SÜD America, Inc. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD America, Inc.'s issued reports.

This report is the confidential property of the client. As a mutual protection to our clients, the public and TÜV SÜD America, Inc., extracts from the test report shall not be reproduced, except in full without TÜV SÜD America, Inc.'s written approval.

This report must not be used to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the federal government.

TÜV SÜD America, Inc. and its professional staff hold government and professional organization certifications for AAMI, ACIL, AEA, ANSI, IEEE, A2LA, NIST and VCCI.



A2LA Cert. No. 2955.13

