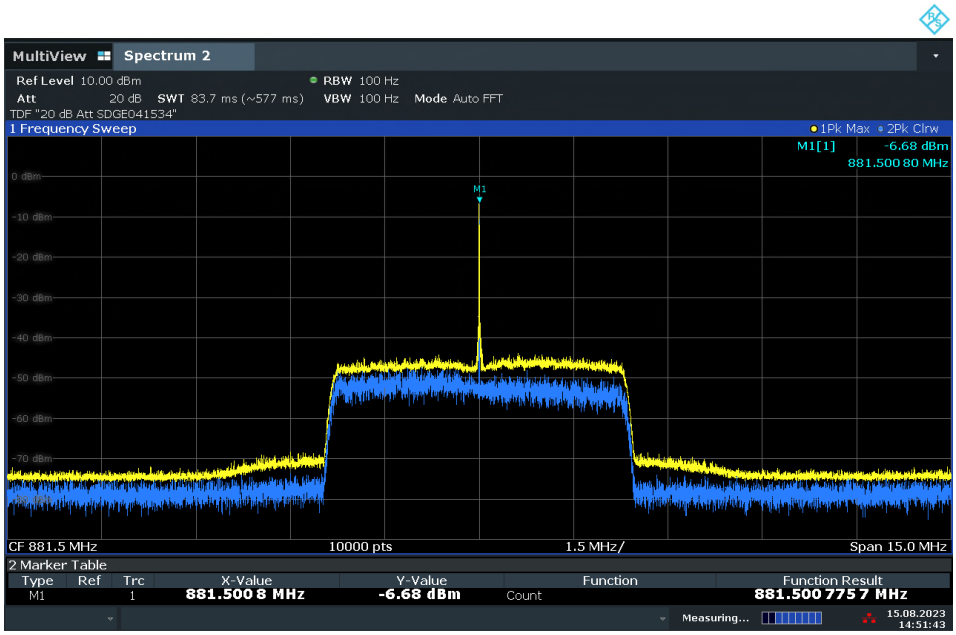
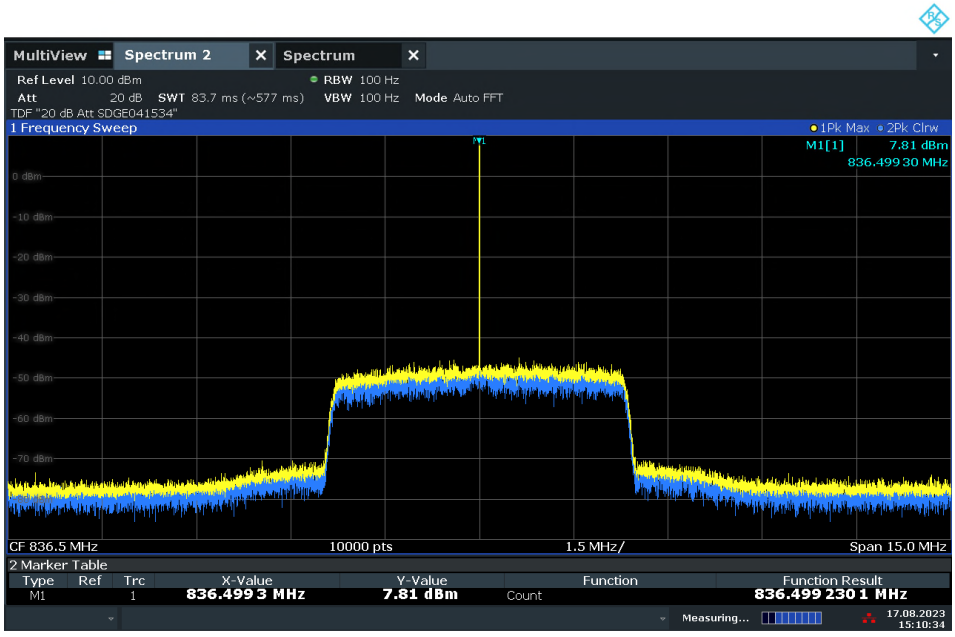


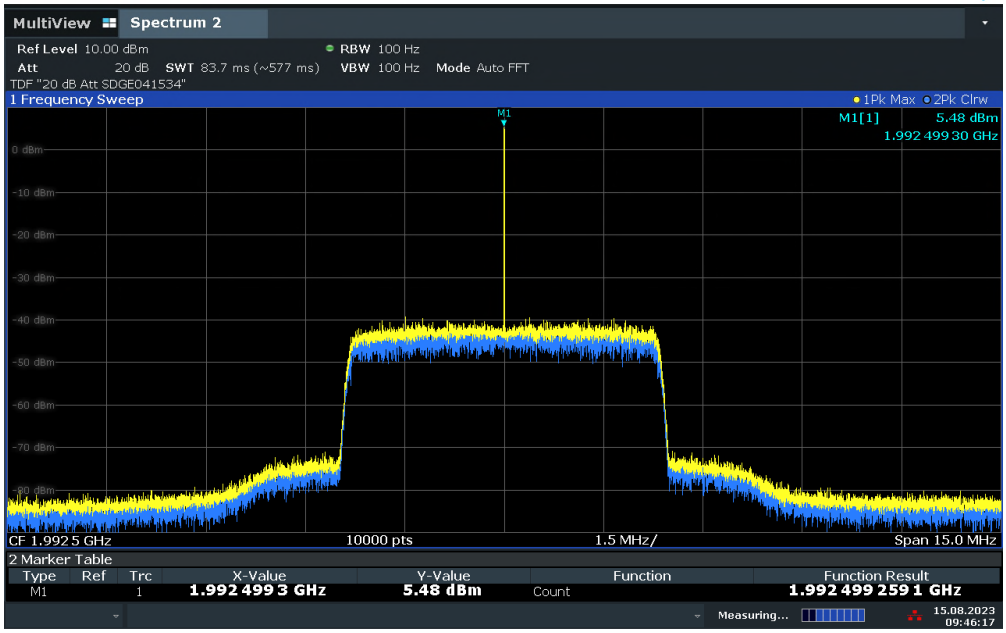
14:51:43 15.08.2023

LTE B5 Downlink Middle Channel 120VAC @ 20°C



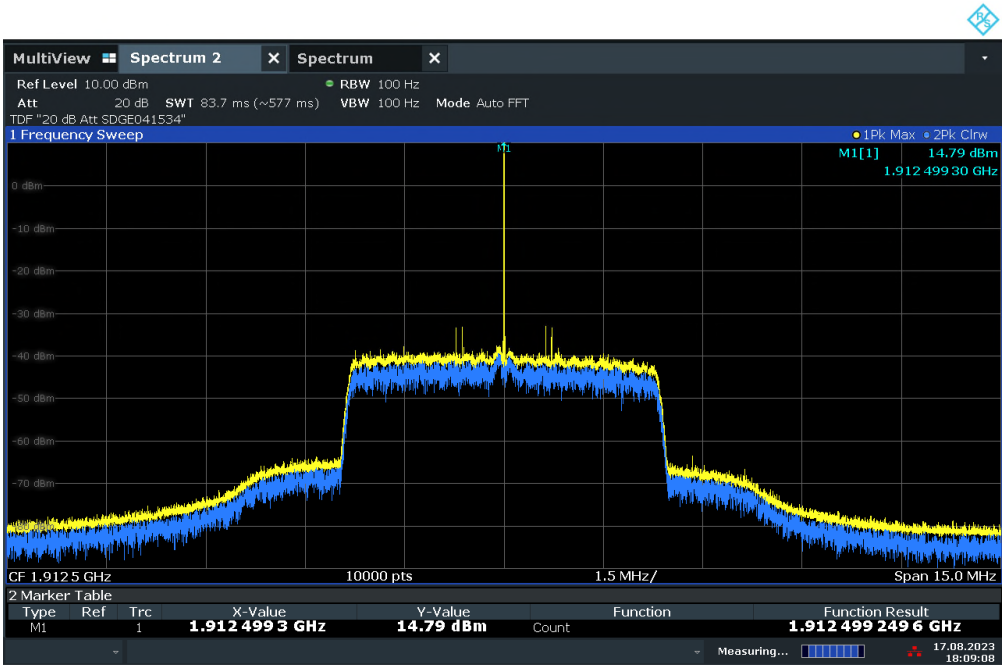
15:10:35 17.08.2023

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



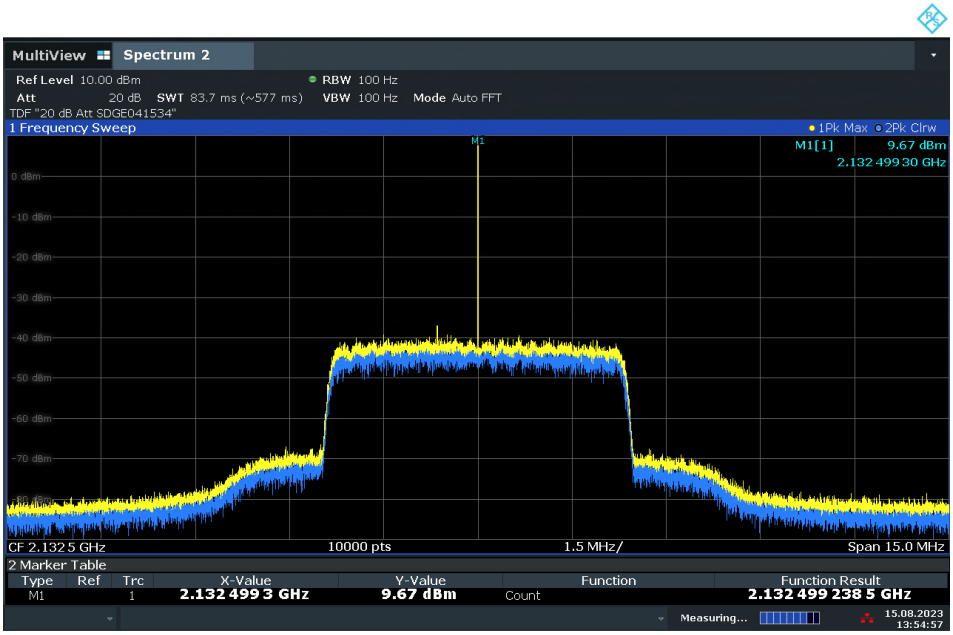
09:46:18 15.08.2023

LTE B25 Downlink Middle Channel 120VAC @ 20°C



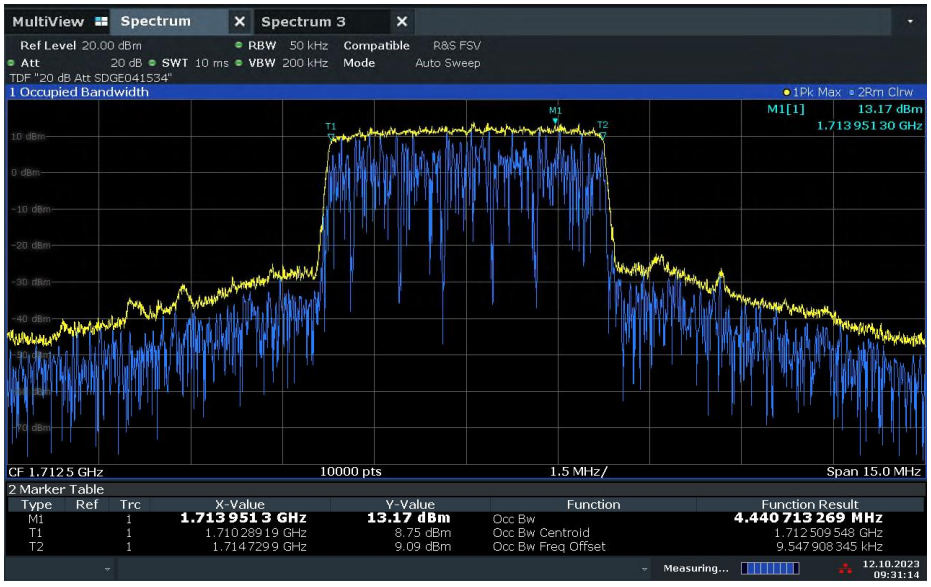
18:09:09 17.08.2023

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



13:54:57 15.08.2023

LTE Band 4 Downlink Middle Channel 120VAC @ 20°C

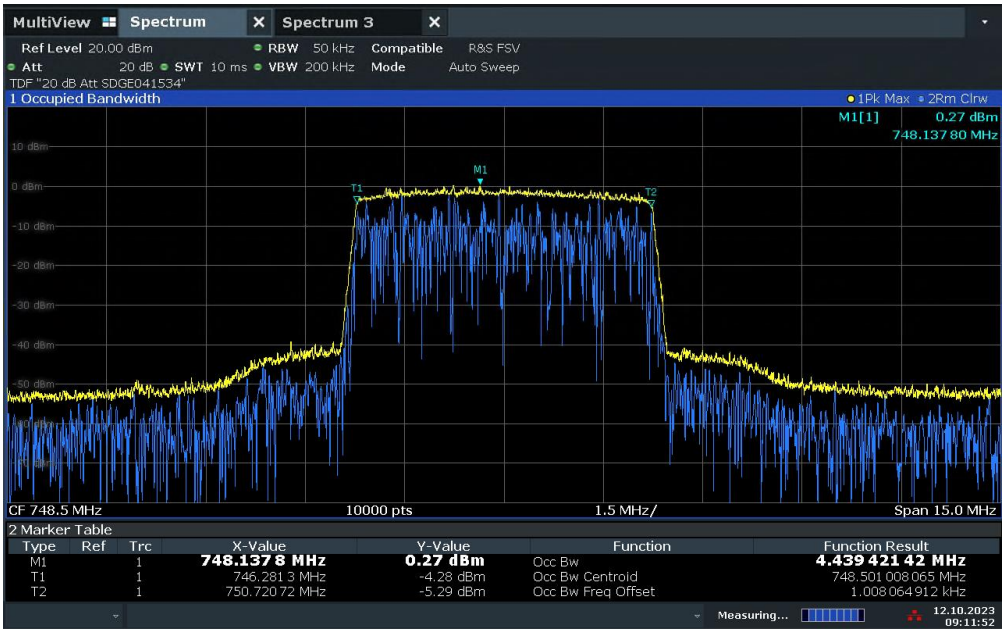


09:31:15 12.10.2023

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

09:29:38 12.10.2023

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



09:11:53 12.10.2023

LTE B13 Downlink Low Channel OBW @ 20°C Nominal Voltage

FCC ID: YETG41-BE
IC: 9298A-G41BE

2.14 Fiel Strength Of Spurious Emissions

2.14.1 Specification Reference

FCC 47 CFR Part 2, Clause 2.1053

2.14.2 Standard Applicable

(a) Measurements shall be made to detect spurious emissions that may be radiated directly from the cabinet, control circuits, power leads, or intermediate circuit elements under normal conditions of installation and operation. Curves or equivalent data shall be supplied showing the magnitude of each harmonic and other spurious emission. For this test, single sideband, independent sideband, and controlled carrier transmitters shall be modulated under the conditions specified in paragraph (c) of § 2.1049, as appropriate. For equipment operating on frequencies below 890 MHz, an open field test is normally required, with the measuring instrument antenna located in the far-field at all test frequencies. In the event it is either impractical or impossible to make open field measurements (e.g. a broadcast transmitter installed in a building) measurements will be accepted of the equipment as installed. Such measurements must be accompanied by a description of the site where the measurements were made showing the location of any possible source of reflections which might distort the field strength measurements. Information submitted shall include the relative radiated power of each spurious emission with reference to the rated power output of the transmitter, assuming all emissions are radiated from halfwave dipole antennas.

RSS-130:
4.7.1 General unwanted emissions limits
The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least 43 + 10 log10 p (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

RSS-132
5.5 Transmitter unwanted emissions
Equipment shall meet the unwanted emission limits specified below:
In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated below the transmitter output power P (dBW) by at least 43 + 10 log(p) dB.
After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated below the transmitter output power P (dBW) by at least 43 + 10 log(p) dB. If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

RSS-139
5.6 Unwanted emission limits
Unwanted emissions shall be measured in terms of average values.
For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table:

Unwanted emission limits	
Offset from the edge of the frequency block or frequency block group	**Unwanted emission limits**
1 MHz	-13 dBm/(1% of OB*)
>1MHz	-13 dBm/MHz

*OB is the occupied bandwidth.

RSS 140
4.4 Transmitter unwanted emission limits
The power of any unwanted emission outsidethe bands 758-768 MHz and 788-798 MHz shall be attenuated below the transmitteroutput power P in dBW as follows, where p is the transmitter output power in watts:
For any frequency between 769-775 MHz and 799-806 MHz:
76 + 10 log (p), dB in a 6.25 kHz band for fixed and base station equipment
65 + 10 log (p), dB in a 6.25 kHz band for mobile and portable/hand-held equipment
For any frequency between 775-788 MHz, above 806 MHz, and below 758 MHz: 43 + 10 log (p), dB in a bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency bands 758-768 MHz and 788-798 MHz, a resolution bandwidth of 30 kHz may be employed.
In addition, the equivalent isotropically radiated power (e.i.r.p.) of all emissions, including harmonics in the band 1559-1610 MHz, shall not exceed −70 dBW/MHz for wideband emissions, and −80 dBW/kHz for discrete emissions ofless than 700 Hz bandwidth.

2.14.3 Equipment Under Test and Modification State

Serial No: 560311000026 / Test Configuration I and J

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

August 04 and 05 2023 / OC

2.14.5 Test Equipment Used

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

2.14.6 Environmental Conditions

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

Ambient Temperature	26.4 - 27°C
Relative Humidity	53.7 – 54.9%
ATM Pressure	98.6 - 99.1kPa

2.14.7 Additional Observations

- This is a radiated test. The spectrum was searched covering 30MHz up to the 10th harmonic of the highest frequency radio from each configuration.
- EUT was tested on two different configurations (worst case configurations):
  - BLE and LTE (Downlink) B4 and B12 radios transmitting simultaneously.
  - BLE and LTE (Uplink) B4 and B12 radios transmitting simultaneously.
- Measurement was done using EMC32 automated software for radiated method. Reported level is the actual level with all the correction factors factored in. The Correction Factor column is for informational purposes only. See Section 2.1.8 to 2.1.10 for sample computations.
- Fundamental from Bluetooth and LTE radios are ignored.
- Representative FCC Part 27 limits are presented in plots, which are identical as Part 22 and Part 24 limits.
- All test results were confirmed against §15.209 limits (more stringent limits compared to 27, 22 and 24 limits).

2.14.8 Limit conversion example

-13dBm erp to Field strength at 3m

Using equation: E (dBµV/m) = ERP (dBm) - 20log(D) + 104.8 + 2.15; where D is the measurement distance (in the far field region) in m.

-13dBm ERP = 84.4 dBµV/m at 3m distance

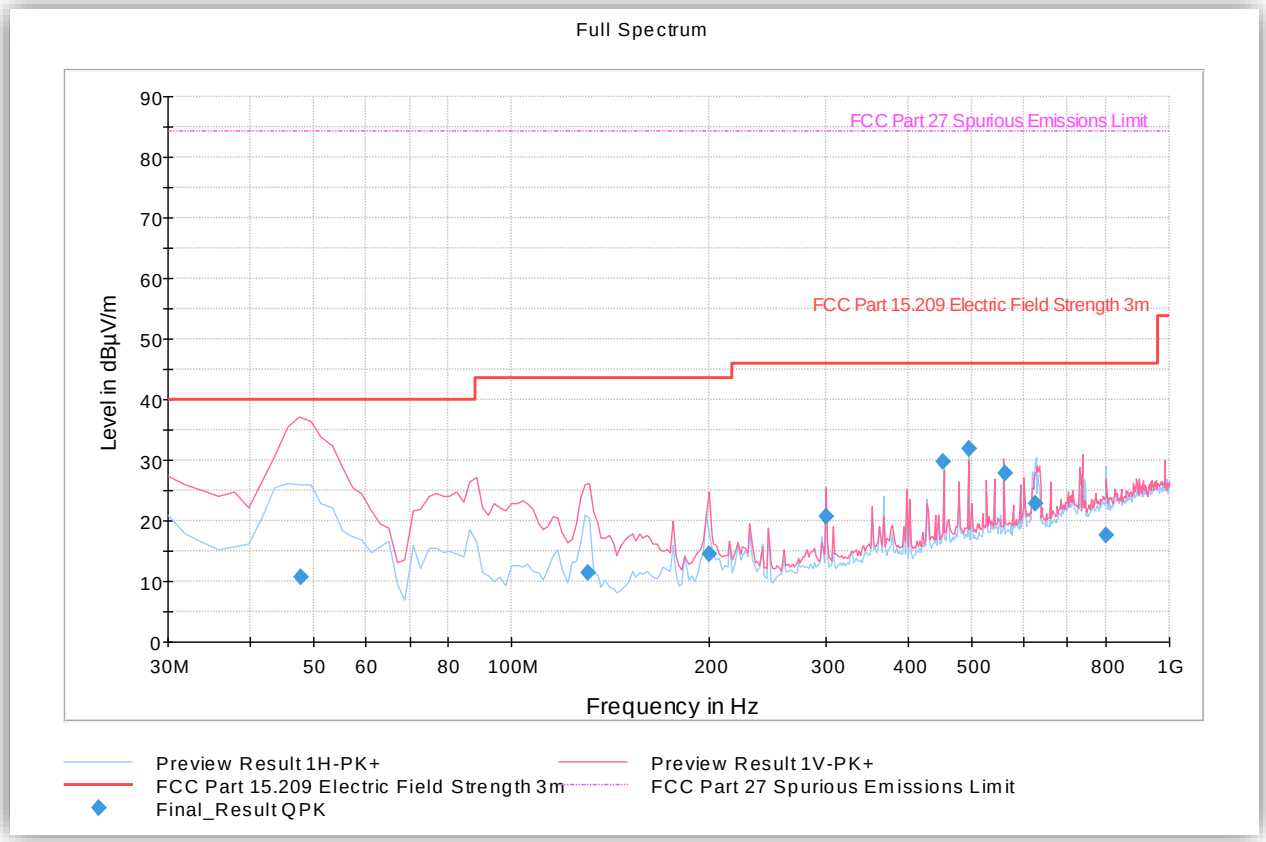
2.14.9 Sample Computation (Radiated Emission 30 MHz to 1 GHz

Measuring equipment raw measurement (dbµV) @ 30 MHz			24.4
Correction Factor (dB/m)	Asset# 1026 (cable)	0.8	-7.0
	Asset# 1057 (cable)	0.2	
	Asset# 1016 (preamplifier)	-30.8	
	Asset# 8850 (cable)	0.2	
	Asset# 1033 (antenna)	17.2	
	Asset# 8771 (6-dB attenuator)	5.4	
Reported QuasiPeak Final Measurement (dbµV/m) @ 30MHz			**17.4**

2.14.10 Sample Computation (Radiated Emissions above 1GHz)

Measuring equipment raw measurement (dbµV) @ 2629 MHz			37.59
Correction Factor (dB/m)	Asset# 1016 (preamplifier)	-31.9	3
	Asset# 1175(cable)	2.5	
	Asset# 7631 (antenna)	32.4	
Reported Peak Final Measurement (dbµV/m) @ 30MHz			**40.59**

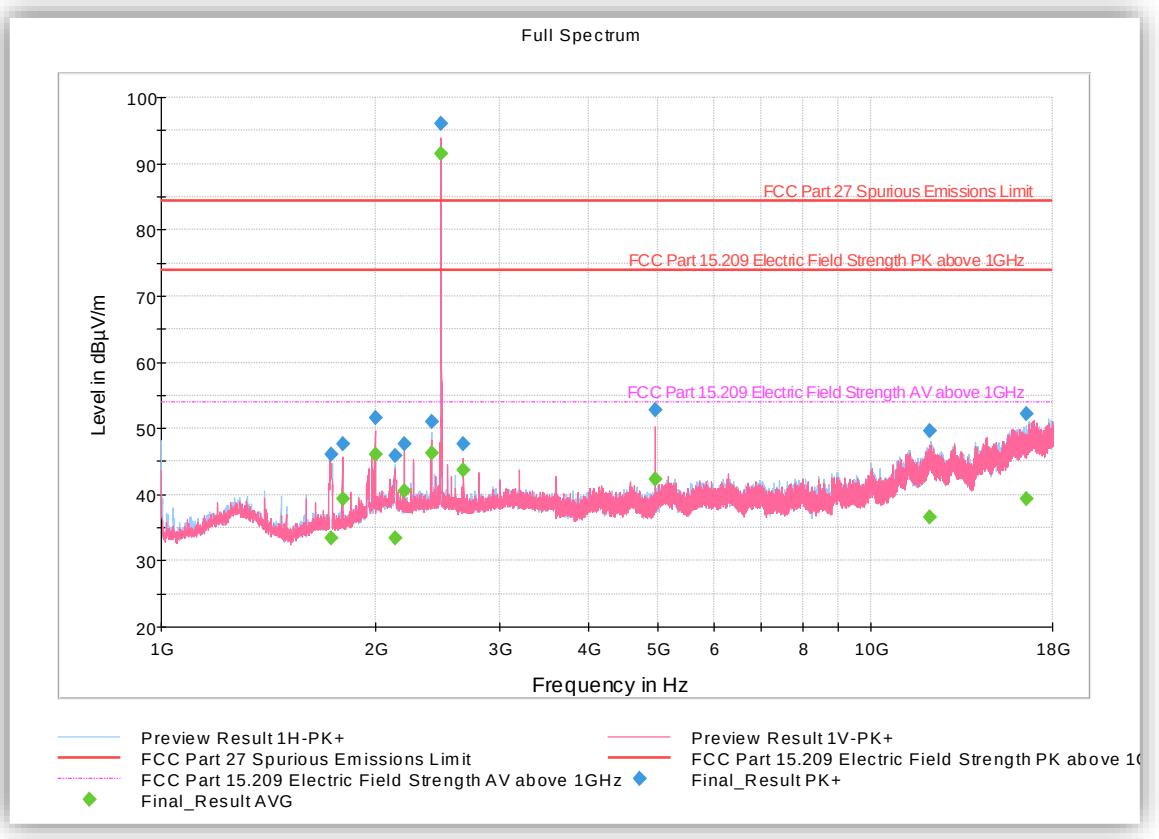
2.14.11 Test Results 30 MHz to 1 GHz (BLE Mid channel – Downlink config for LTE B4 Mid channel 20MHz BW and LTE B 12 Mid channel 10MHz BW)



Quasi Peak Data (§15.209 Limit)

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.794990	10.76	40.00	29.24	1000.0	120.000	98.0	V	180.0	-16.3
130.582164	11.53	43.50	31.97	1000.0	120.000	102.0	V	171.0	-16.3
199.978236	14.51	43.50	28.99	1000.0	120.000	111.0	V	234.0	-12.9
299.980401	20.82	46.00	25.18	1000.0	120.000	103.0	V	150.0	-8.4
452.547535	29.79	46.00	16.21	1000.0	120.000	150.0	H	211.0	-4.8
495.009178	31.92	46.00	14.08	1000.0	120.000	150.0	H	218.0	-3.5
560.981363	27.76	46.00	18.24	1000.0	120.000	101.0	V	200.0	-2.6
625.633547	22.89	46.00	23.11	1000.0	120.000	360.0	H	15.0	-1.2
802.023447	17.62	46.00	28.38	1000.0	120.000	124.0	H	171.0	1.5

2.14.12 Test Results 1GHz to 18GHz (BLE Mid channel – Downlink config for LTE B4 Mid channel 20MHz BW and LTE B 12 Mid channel 10MHz BW)



Peak Data (§15.209 Limits)

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1732.300000	46.03	73.90	27.87	1000.0	1000.000	250.0	H	14.0	-4.4
1800.133333	47.61	73.90	26.29	1000.0	1000.000	227.0	V	291.0	-3.6
2000.000000	51.61	73.90	22.29	1000.0	1000.000	114.0	V	273.0	-2.0
2133.600000	45.95	73.90	27.95	1000.0	1000.000	384.0	V	74.0	-1.6
2200.033333	47.59	73.90	26.31	1000.0	1000.000	108.0	V	226.0	-1.6
2400.066667	51.10	73.90	22.80	1000.0	1000.000	152.0	H	301.0	-0.9
2479.966667	BLE Fundamental			1000.0	1000.000	152.0	V	256.0	-0.2
2666.800000	47.62	73.90	26.28	1000.0	1000.000	244.0	V	259.0	-0.1
4960.433333	52.85	73.90	21.05	1000.0	1000.000	158.0	V	253.0	4.3
12086.100000	49.57	73.90	24.33	1000.0	1000.000	392.0	V	149.0	15.6
16516.800000	52.11	73.90	21.79	1000.0	1000.000	379.0	H	289.0	20.7

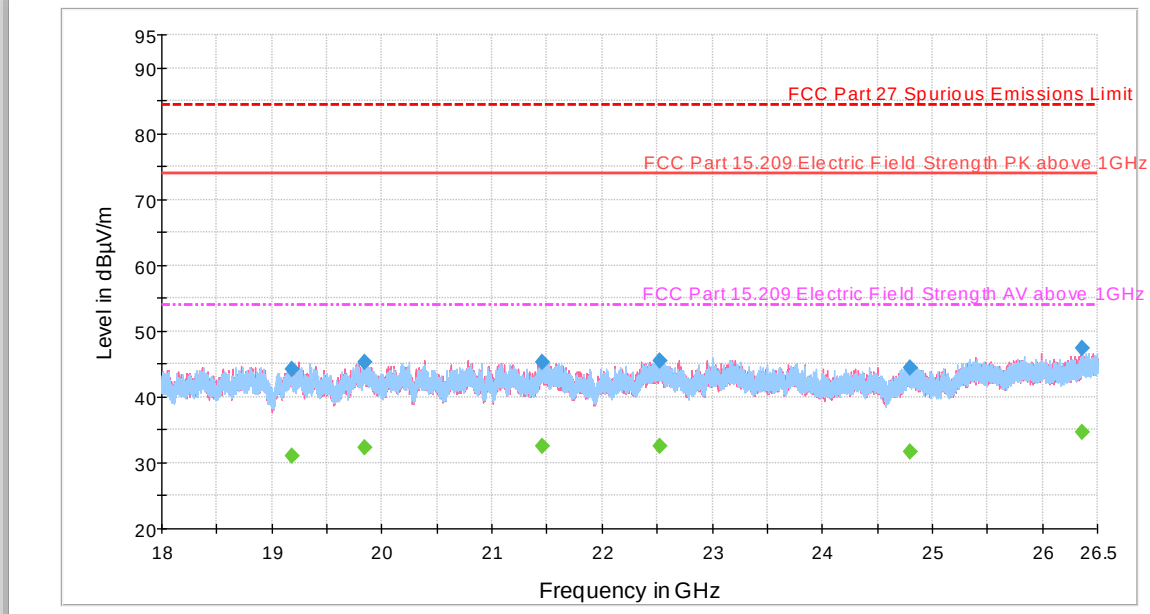
FCC ID: YETG41-BE
IC: 9298A-G41BE

Product Service

Average Data (§15.209 Limits)

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1732.300000	33.34	53.90	20.56	1000.0	1000.000	250.0	H	14.0	-4.4
1800.133333	39.41	53.90	14.49	1000.0	1000.000	227.0	V	291.0	-3.6
2000.000000	46.10	53.90	7.80	1000.0	1000.000	114.0	V	273.0	-2.0
2133.600000	33.46	53.90	20.44	1000.0	1000.000	384.0	V	74.0	-1.6
2200.033333	40.55	53.90	13.35	1000.0	1000.000	108.0	V	226.0	-1.6
2400.066667	46.20	53.90	7.70	1000.0	1000.000	152.0	H	301.0	-0.9
2479.966667	BLE fundamental			1000.0	1000.000	152.0	V	256.0	-0.2
2666.800000	43.64	53.90	10.26	1000.0	1000.000	244.0	V	259.0	-0.1
4960.433333	42.34	53.90	11.56	1000.0	1000.000	158.0	V	253.0	4.3
12086.100000	36.54	53.90	17.36	1000.0	1000.000	392.0	V	149.0	15.6
16516.800000	39.40	53.90	14.50	1000.0	1000.000	379.0	H	289.0	20.7

2.14.13 Test Results 18 GHz to 26 GHz (BLE Mid channel – Downlink config for LTE B4 Mid channel 20MHz BW and LTE B 12 Mid channel 10MHz BW)



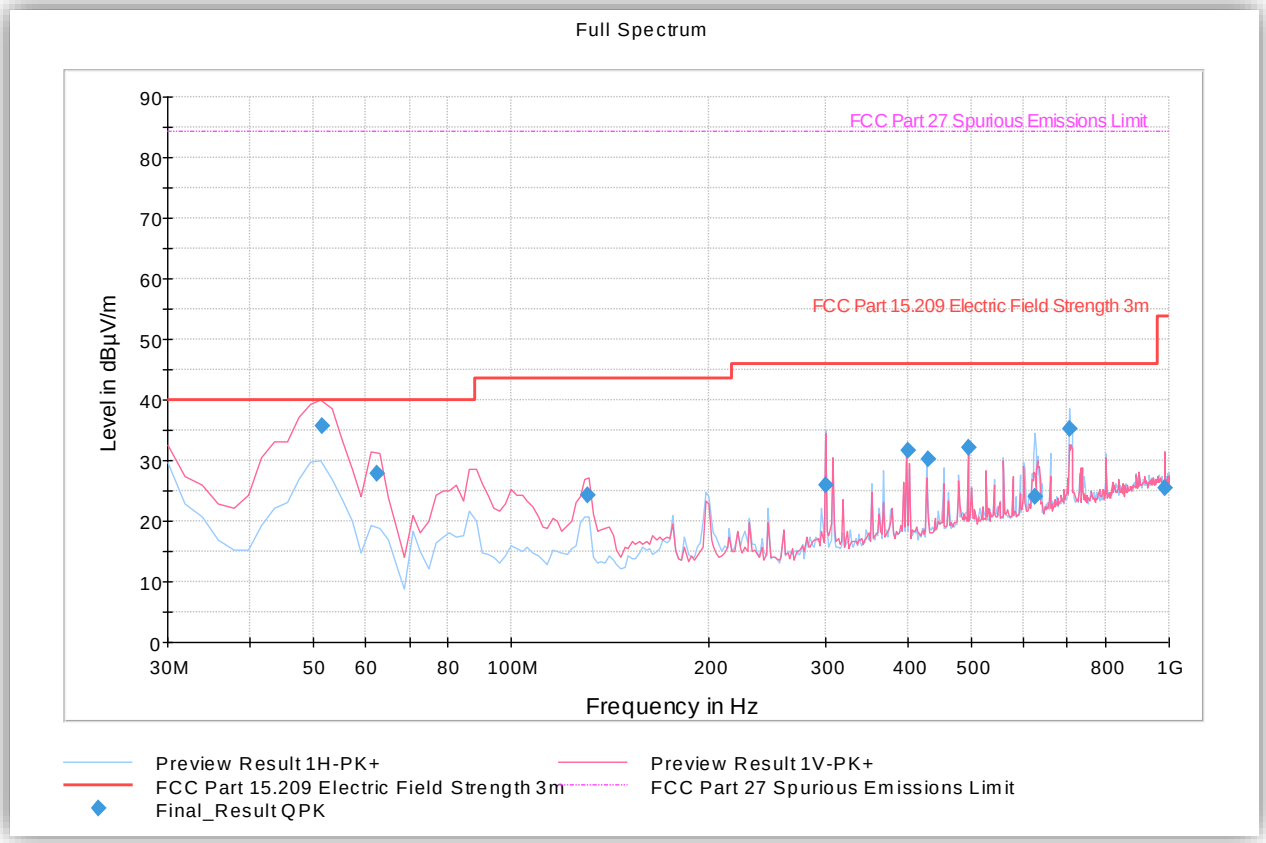
Peak Data (§15.209 Limits)

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time	Bandwidth	Height (cm)	Polarization	Azimuth	Corr.	Margin (dB)	Limit (dBµV/
19177.116667	44.3	1000.0	1000.0	142.7	H	32.0	-2.8	29.6	73.9
19840.116667	45.2	1000.0	1000.0	160.7	V	226.0	-2.2	28.7	73.9
21454.933333	45.3	1000.0	1000.0	136.7	V	10.0	-0.9	28.6	73.9
22528.716667	45.6	1000.0	1000.0	127.7	H	281.0	0.2	28.3	73.9
24800.000000	44.5	1000.0	1000.0	164.6	V	308.0	-0.1	29.4	73.9
26361.966667	47.3	1000.0	1000.0	148.7	V	132.0	3.1	26.6	73.9

Average Data (§15.209 Limits)

Frequency (MHz)	Average (dBµV/m)	Meas. Time	Bandwidth	Height (cm)	Polarization	Azimuth	Corr.	Margin (dB)	Limit (dBµV/
19177.116667	31.0	1000.0	1000.0	142.7	H	32.0	-2.8	22.9	53.9
19840.116667	32.4	1000.0	1000.0	160.7	V	226.0	-2.2	21.5	53.9
21454.933333	32.6	1000.0	1000.0	136.7	V	10.0	-0.9	21.3	53.9
22528.716667	32.6	1000.0	1000.0	127.7	H	281.0	0.2	21.3	53.9
24800.000000	31.6	1000.0	1000.0	164.6	V	308.0	-0.1	22.3	53.9
26361.966667	34.7	1000.0	1000.0	148.7	V	132.0	3.1	19.2	53.9

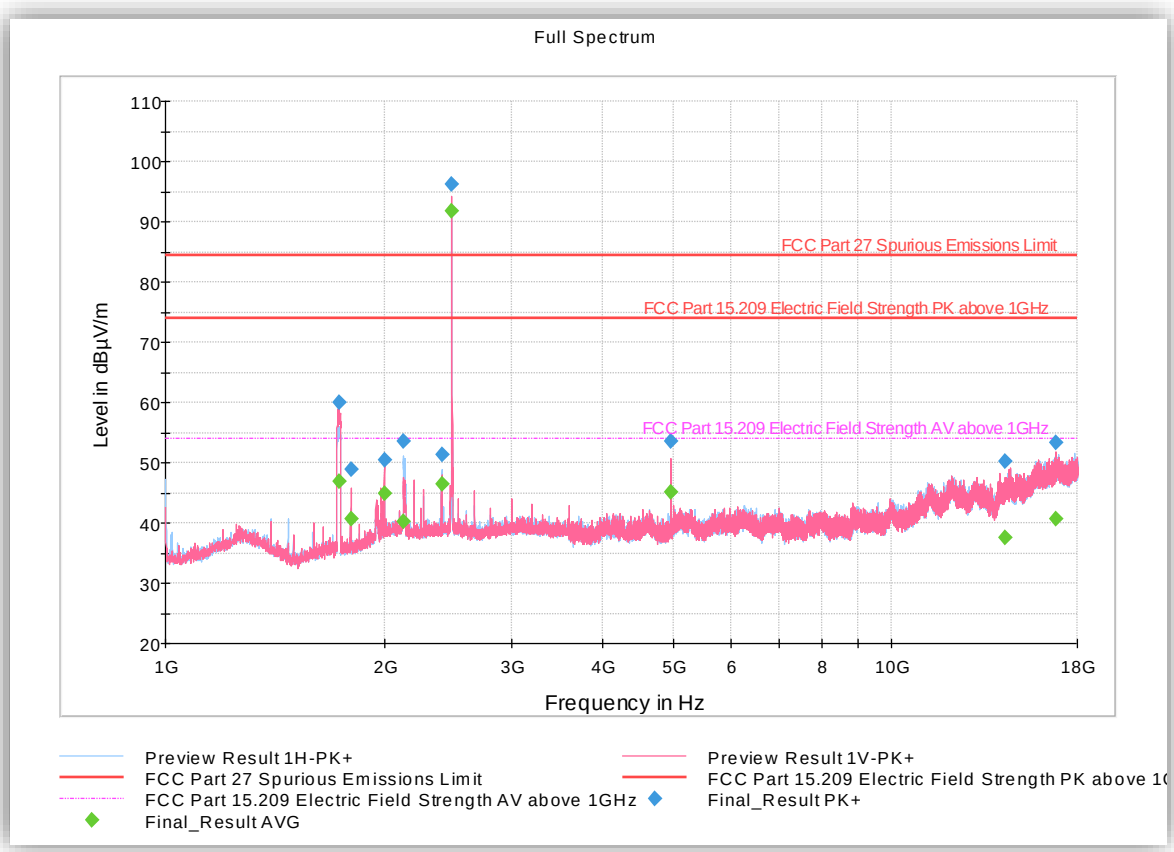
2.14.14 Test Results 30 MHz to 1 GHz (BLE Mid channel – Uplink config for LTE B4 Mid channel 20MHz BW and LTE B12 Mid channel 10MHz BW)



Quasi Peak Data (§15.209 Limit)

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.442766	35.68	40.00	4.32	1000.0	120.000	106.0	V	144.0	-16.9
62.306092	27.87	40.00	12.13	1000.0	120.000	109.0	V	67.0	-17.8
130.542164	24.29	43.50	19.21	1000.0	120.000	119.0	V	242.0	-16.3
299.980401	26.00	46.00	20.00	1000.0	120.000	153.0	H	161.0	-8.4
399.998677	31.68	46.00	14.32	1000.0	120.000	103.0	V	262.0	-6.4
428.996994	30.20	46.00	15.80	1000.0	120.000	100.0	H	161.0	-5.7
495.009178	32.11	46.00	13.89	1000.0	120.000	101.0	V	266.0	-3.5
624.489659	24.01	46.00	21.99	1000.0	120.000	303.0	H	317.0	-1.1
705.132946	35.14	46.00	10.86	1000.0	120.000	105.0	H	49.0	0.8
983.468898	25.58	53.90	28.32	1000.0	120.000	110.0	H	7.0	4.9

2.14.15 Test Results 1 GHz to 18 GHz (BLE Mid channel – Uplink config for LTE B4 Mid channel 20MHz BW and LTE B 12 Mid channel 10MHz BW)



Peak Data (§15.209 Limits)

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1731.733333	59.96	73.90	13.94	1000.0	1000.000	407.0	V	271.0	-4.4
1799.966667	48.85	73.90	25.05	1000.0	1000.000	152.0	V	288.0	-3.6
2000.000000	50.49	73.90	23.41	1000.0	1000.000	139.0	V	241.0	-2.0
2128.400000	53.52	73.90	20.38	1000.0	1000.000	127.0	H	313.0	-1.6
2400.066667	51.33	73.90	22.57	1000.0	1000.000	150.0	H	298.0	-0.9
2479.966667	BLE Fundamental			1000.0	1000.000	152.0	V	247.0	-0.2
4959.933333	53.52	73.90	20.38	1000.0	1000.000	226.0	V	249.0	4.3
14303.800000	50.21	73.90	23.69	1000.0	1000.000	401.0	V	159.0	17.4
16801.833333	53.30	73.90	20.60	1000.0	1000.000	350.0	V	307.0	21.4

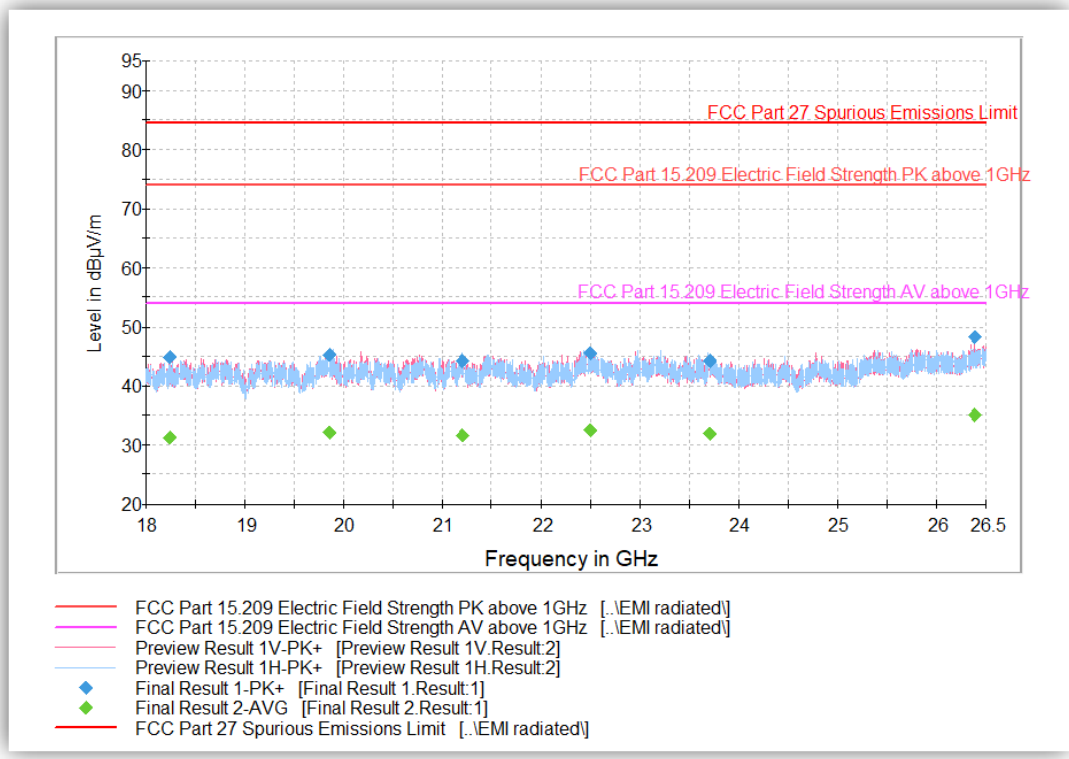
FCC ID: YETG41-BE
IC: 9298A-G41BE

Product Service

Average Data (§15.209 Limits)

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1731.733333	46.99	53.90	6.91	1000.0	1000.000	407.0	V	271.0	-4.4
1799.966667	40.73	53.90	13.17	1000.0	1000.000	152.0	V	288.0	-3.6
2000.000000	44.81	53.90	9.09	1000.0	1000.000	139.0	V	241.0	-2.0
2128.400000	40.30	53.90	13.60	1000.0	1000.000	127.0	H	313.0	-1.6
2400.066667	46.50	53.90	7.40	1000.0	1000.000	150.0	H	298.0	-0.9
2479.966667	BLE Fundamental			1000.0	1000.000	152.0	V	247.0	-0.2
4959.933333	45.18	53.90	8.72	1000.0	1000.000	226.0	V	249.0	4.3
14303.800000	37.45	53.90	16.45	1000.0	1000.000	401.0	V	159.0	17.4
16801.833333	40.77	53.90	13.13	1000.0	1000.000	350.0	V	307.0	21.4

2.14.16 Test Results 18 GHz to 26 GHz (BLE Mid channel – Downlink config for LTE B4 Mid channel 20MHz BW and LTE B 12 Mid channel 10MHz BW)



Peak Data (§15.209 Limits)

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time	Bandwidth	Height (cm)	Polarization	Azimuth	Corr.	Margin (dB)	Limit (dBµV/
18238.683333	44.8	1000.0	1000.0	160.6	H	186.0	-2.4	29.1	73.9
19853.283333	45.3	1000.0	1000.0	127.7	V	10.0	-2.1	28.6	73.9
21203.933333	44.3	1000.0	1000.0	167.1	H	324.0	-1.3	29.6	73.9
22495.483333	45.5	1000.0	1000.0	151.6	H	-10.0	0.1	28.4	73.9
23698.800000	44.1	1000.0	1000.0	175.0	H	241.0	-0.1	29.8	73.9
26390.016667	48.2	1000.0	1000.0	156.1	V	331.0	3.2	25.7	73.9

Average Data (§15.209 Limits)

Frequency (MHz)	Average (dBµV/m)	Meas. Time	Bandwidth	Height (cm)	Polarization	Azimuth	Corr.	Margin (dB)	Limit (dBµV/
18238.683333	31.2	1000.0	1000.0	160.6	H	186.0	-2.4	22.7	53.9
19853.283333	32.2	1000.0	1000.0	127.7	V	10.0	-2.1	21.7	53.9
21203.933333	31.8	1000.0	1000.0	167.1	H	324.0	-1.3	22.1	53.9
22495.483333	32.5	1000.0	1000.0	151.6	H	-10.0	0.1	21.4	53.9
23698.800000	31.8	1000.0	1000.0	175.0	H	241.0	-0.1	22.1	53.9
26390.016667	35.1	1000.0	1000.0	156.1	V	331.0	3.2	18.8	53.9

3 Test Equipment Used

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

Asset ID Number	Test Equipment	Type	Serial Number	Manufacturer	Cal Due Date
Antenna Conducted Port Setup					
7608	Vector Signal Generator	SMBV100A	259021	Rhode & Schwarz	10-03-2025
7582	Signal/Spectrum Analyzer	FSW26	101614	Rohde & Schwarz	12-21-2023
-	Power Splitter	ZN2PD2-50-S+	SUU27701207	Mini Circuits	Verified with (7608) and (7582)
7610	DFS Radar Simulator and Analyzer*	Aeroflex 3005	30050A/09L	Aeroflex	NCR (for signaling purposes only)
-	20dB Attenuator	5W DC-18GHz 20dB (ATX3518-20)	N/A	MCL	Verified by 7608 and 7582
7662	Power Meter	N1911A	MY451000951	Agilent	04-04-2024
7605	Wideband Power Meter	N1921A	MY51100054	Agilent	04-14-2024
8848	Step Attenuator	RSP	834500/009	Rhode & Schwarz	Verified by 7608 and 7582
1033	BiConiLog Antenna	3142C	00044556	ETS Lindgren	10/05/23
1040	EMI Test Receiver	ESIB40	100292	Rohde & Schwarz	10/26/23
51235	RF Pre-Amp (9kHz to 1GHz)	310	412802	Sonoma	09/30/23
1049	EMI Test Receiver	ESU40	100133	Rohde & Schwarz	04/03/23
7575	1-18GHz DRG Horn	3117	155511	ETS-Lindgren	08/0824
8628	Pre Amplifier	QLJ-01182835-JO	8986002	Quinstar	03/22/24
9001	Horn antenna (18-26.5GHz)	HO42S	101	Custom Microwave	09/23/23
40815	18GHz to 40GHz Low Noise Amplifier	SLKKa-30-6	19D18	Spacek Labs	08/21/23
-	Directional Coupler	4226-20	N/A	Narda	Verified by 7608 and 7582
Miscellaneous					
43003	True RMS Multimeter	85 III	96880143	Fluke	01-09-2024
7579	Temperature Chamber	115	151617	TestQuity	12-21-23
6672	D.C. Power Supply	E3611A	KR73012637	Hewlett Packard	NCR
-	Test Software	EMC32	V11.50.0	Rhode & Schwarz	NCR

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**	

4.2 Radiated Measurements (30 MHz to 1 GHz)

Input Quantity (Contribution) Xi	Value		Prob. Dist.	Divisor	ui(x)	ui(x)2
Receiver reading	0.10	dB	Normal, k=1	1.000	0.10	0.01
Attenuation: antenna-receiver	0.20	dB	Normal, k=2	2.000	0.10	0.01
Antenna factor AF	0.75	dB	Normal, k=2	2.000	0.38	0.14
Receiver sinewave accuracy	1.10	dB	Normal, k=2	2.000	0.55	0.30
Receiver pulse amplitude	1.50	dB	Rectangular	1.732	0.87	0.75
Receiver pulse repetition rate	1.50	dB	Rectangular	1.732	0.87	0.75
Noise floor proximity	0.50	dB	Rectangular	1.732	0.29	0.08
Mismatch: antenna-receiver	0.95	dB	U-shaped	1.414	0.67	0.45
AF frequency interpolation	0.30	dB	Rectangular	1.732	0.17	0.03
AF height deviations	0.10	dB	Rectangular	1.732	0.06	0.00
Directivity difference at 3 m	3.12	dB	Rectangular	1.732	1.80	3.24
Phase center location at 3 m	1.00	dB	Rectangular	1.732	0.58	0.33
Cross-polarisation	0.90	dB	Rectangular	1.732	0.52	0.27
Balance	0.00	dB	Rectangular	1.732	0.00	0.00
Site imperfections	3.64	dB	Triangular	2.449	1.49	2.21
Separation distance at 3 m	0.30	dB	Rectangular	1.732	0.17	0.03
Effect of setup table material	0.40	dB	Rectangular	1.732	0.23	0.05
Table height at 3 m	0.10	dB	Normal, k=2	2.000	0.05	0.00
Near-field effects	0.00	dB	Triangular	2.449	0.00	0.00
Effect of ambient noise on OATS	0.00	dB				0.00
Combined standard uncertainty			Normal	2.95	dB	
Expanded uncertainty			Normal, k=2	5.89	dB	

4.3 Radiated Emissions Measurements (Above 1GHz)

Input Quantity (Contribution) X_i	Value		Prob. Dist.	Divisor	$u_i(x)$	$u_i(x)^2$
Receiver reading	0.10	dB	Normal, k=1	1.000	0.10	0.01
Attenuation: antenna-receiver	0.30	dB	Normal, k=2	2.000	0.15	0.02
Preamplifier Gain	0.20	dB	Normal, k=2	2.000	0.10	0.01
Antenna factor AF	0.37	dB	Normal, k=2	2.000	0.19	0.03
Sinewave accuracy	0.57	dB	Normal, k=2	2.000	0.29	0.08
Instability of preamp gain	1.21	dB	Rectangular	1.732	0.70	0.49
Noise floor proximity	0.70	dB	Rectangular	1.732	0.40	0.16
Mismatch: antenna-preamplifier	1.41	dB	U-shaped	1.414	1.00	0.99
Mismatch: preamplifier-receiver	1.30	dB	U-shaped	1.414	0.92	0.85
AF frequency interpolation	0.30	dB	Rectangular	1.732	0.17	0.03
Directivity difference at 3 m	1.50	dB	Rectangular	1.732	0.87	0.75
Phase center location at 3 m	0.30	dB	Rectangular	1.732	0.17	0.03
Cross-polarisation	0.90	dB	Rectangular	1.732	0.52	0.27
Site imperfections VSWR (Method 2)	4.16	dB	Triangular	2.449	1.70	2.89
Effect of setup table material	1.15	dB	Rectangular	1.732	0.66	0.44
Separation distance at 3 m	0.30	dB	Rectangular	1.732	0.17	0.03
Table height at 3 m	0.00	dB	Normal, k=1	2.000	0.00	0.00
Combined standard uncertainty			Normal	2.66	dB	
Expanded uncertainty			Normal, k=2	5.32	dB	

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