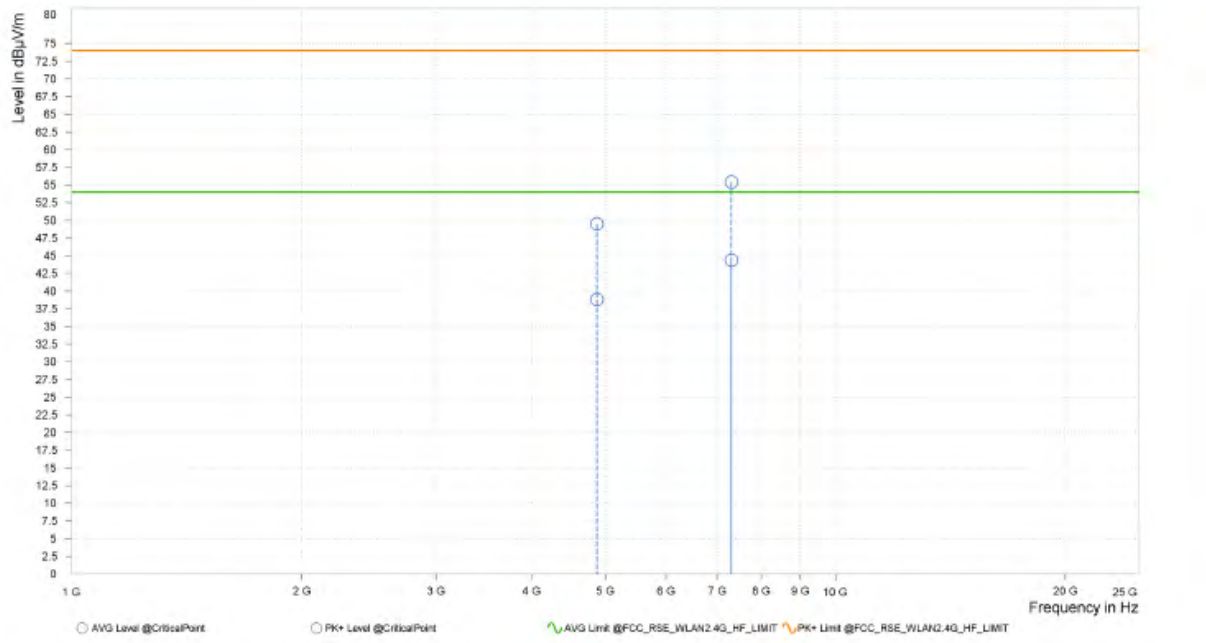
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,874.000	49.47	74.00	24.53	38.81	54.00	15.19	13.53	V	0.9	2.00
2	7,311.000	55.41	74.00	18.59	44.37	54.00	9.63	18.89	V	269.8	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2437MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,461.000	91.34			5.83	H	131.1	2.00
2	2,483.500	36.78	54.00	17.22	5.91	H	359	1.00
2	2,484.000	36.28	54.00	17.72	5.92	H	359	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,456.000	105.01			5.86	H	57.1	2.00
2	2,483.500	53.25	74.00	20.75	5.91	H	1	1.00
2	2,484.000	53.06	74.00	20.94	5.92	H	348.7	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,463.000	94.17			5.82	V	73.4	1.00
2	2,483.500	40.23	54.00	13.77	5.91	V	73.4	1.00
2	2,484.000	39.23	54.00	14.77	5.92	V	73.4	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,461.000	108.88			5.83	V	85.4	1.00
2	2,483.500	52.81	74.00	21.19	5.91	V	286.6	2.00
2	2,499.500	53.04	74.00	20.96	6.02	V	286.6	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2462MHz: Fundamental frequency.

802.11ax (20MHz) (RU52):

CHANNEL	TX Channel 1	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.500	39.51	54.00	14.49	5.77	H	355.6	2.00
1	2,390.000	39.84	54.00	14.16	5.77	H	355.6	2.00
1	2,415.500	90.54			5.95	H	359	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.500	57.62	74.00	16.38	5.77	H	206.6	2.00
1	2,390.000	56.94	74.00	17.06	5.77	H	355.8	2.00
1	2,410.000	106.97			5.91	H	4.9	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.000	40.82	54.00	13.18	5.76	V	3.8	1.00
1	2,389.500	40.98	54.00	13.02	5.77	V	3.8	1.00
1	2,413.000	94.75			5.93	V	3.8	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.000	59.86	74.00	14.14	5.76	V	286.6	2.00
1	2,390.000	59.74	74.00	14.26	5.77	V	128.9	2.00
1	2,413.500	110.14			5.93	V	201.4	1.00

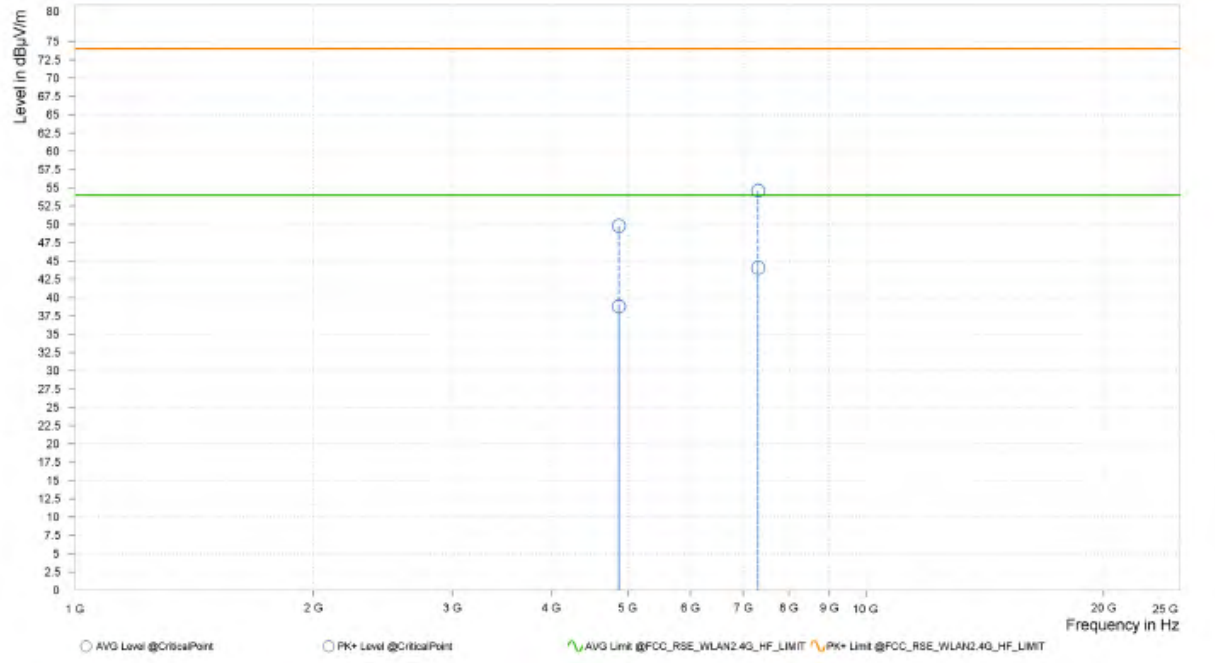
REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2412MHz: Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

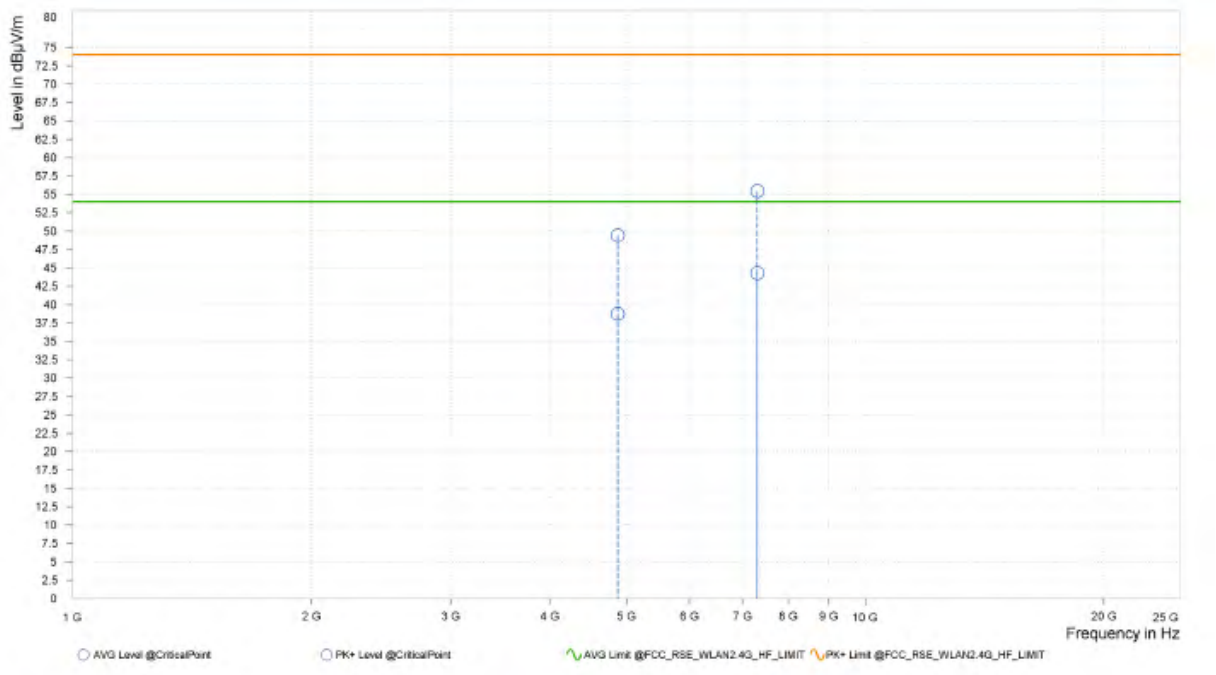
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,874.000	49.79	74.00	24.21	38.78	54.00	15.22	13.53	H	359	2.00
2	7,311.000	54.59	74.00	19.41	44.07	54.00	9.93	18.89	H	15.7	2.00



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,874.000	49.39	74.00	24.61	38.73	54.00	15.27	13.53	V	0.9	2.00
2	7,311.000	55.45	74.00	18.55	44.30	54.00	9.70	18.89	V	17	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2437MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,458.000	91.57			5.85	H	286.2	1.00
2	2,483.500	37.67	54.00	16.33	5.91	H	359.1	1.00
2	2,484.000	37.29	54.00	16.71	5.92	H	359.1	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,461.000	106.26			5.83	H	130	2.00
2	2,483.500	53.47	74.00	20.53	5.91	H	281.4	1.00
2	2,484.000	52.20	74.00	21.80	5.92	H	359	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,463.000	94.98			5.82	V	73.4	1.00
2	2,483.500	42.11	54.00	11.89	5.91	V	73.4	1.00
2	2,484.000	41.37	54.00	12.63	5.92	V	73.4	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,463.000	108.37			5.82	V	81.8	1.00
2	2,483.500	54.78	74.00	19.22	5.91	V	81.8	1.00
2	2,484.000	54.63	74.00	19.37	5.92	V	81.8	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2462MHz: Fundamental frequency.

802.11ax (20MHz) (RU106):

CHANNEL	TX Channel 1	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.500	39.24	54.00	14.76	5.77	H	355.7	2.00
1	2,390.000	39.57	54.00	14.43	5.77	H	355.7	2.00
1	2,410.500	92.01			5.91	H	232.3	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.500	55.61	74.00	18.39	5.77	H	355.7	2.00
1	2,390.000	56.62	74.00	17.38	5.77	H	233.5	1.00
1	2,410.500	107.53			5.91	H	4.9	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.500	39.52	54.00	14.48	5.77	V	4.2	1.00
1	2,390.000	39.67	54.00	14.33	5.77	V	4.2	1.00
1	2,413.000	93.99			5.93	V	4.2	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.500	61.71	74.00	12.29	5.77	V	122.8	2.00
1	2,390.000	60.54	74.00	13.46	5.77	V	122.8	2.00
1	2,411.500	109.32			5.92	V	208.4	1.00

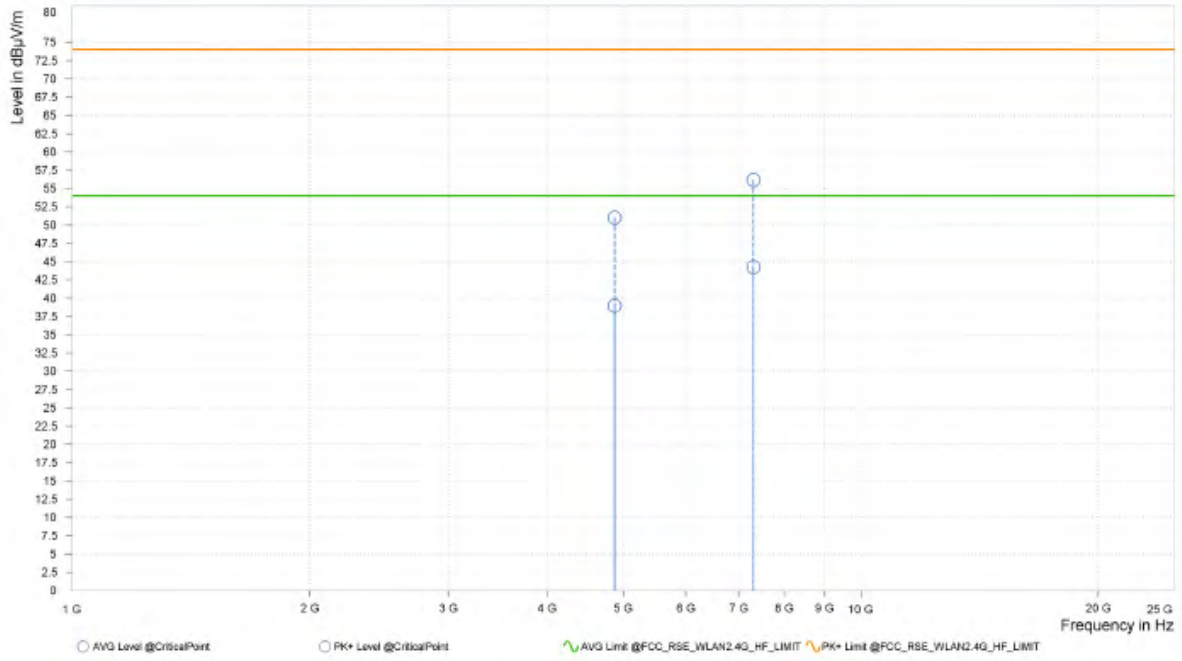
REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2412MHz: Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

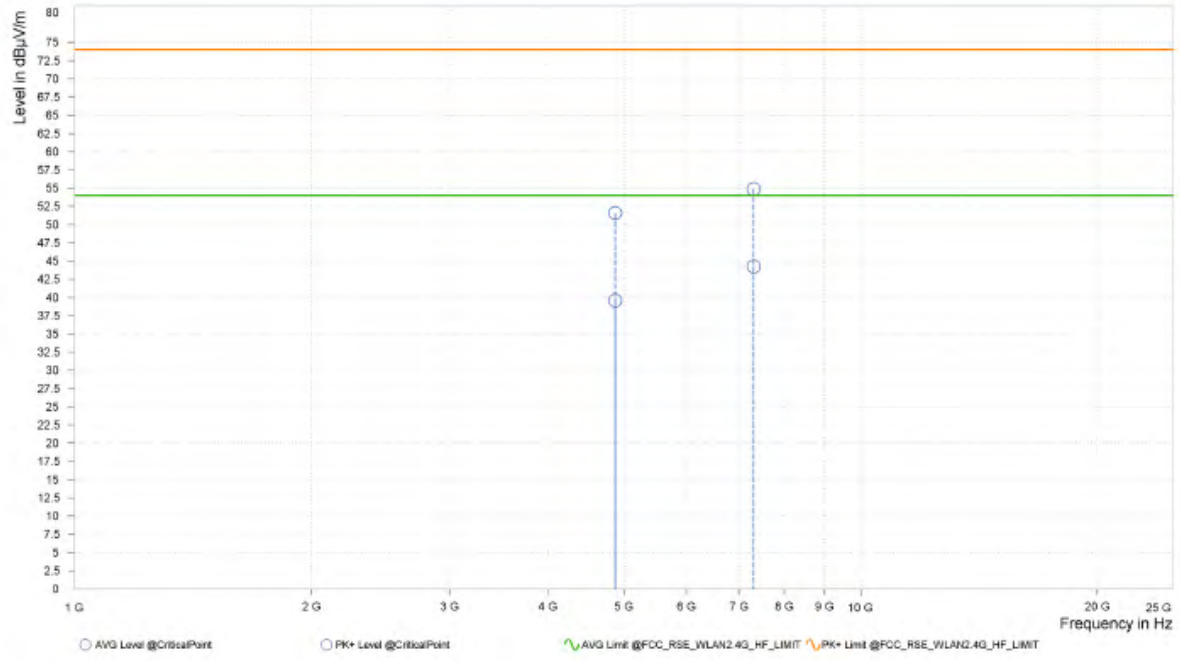
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,874.000	51.01	74.00	22.99	38.95	54.00	15.05	13.53	H	341.4	1.00
2	7,311.000	56.17	74.00	17.83	44.26	54.00	9.74	18.89	H	359.1	1.00



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,874.000	51.56	74.00	22.44	39.56	54.00	14.44	13.53	V	359	2.00
2	7,311.000	54.89	74.00	19.11	44.26	54.00	9.74	18.89	V	1	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2437MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,460.500	93.10			5.83	H	127.5	2.00
2	2,483.500	38.19	54.00	15.81	5.91	H	359	1.00
2	2,484.000	37.82	54.00	16.18	5.92	H	127.5	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,461.500	108.08			5.82	H	104.8	2.00
2	2,483.500	53.84	74.00	20.16	5.91	H	1	1.00
2	2,484.000	53.68	74.00	20.32	5.92	H	359	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,463.000	95.31			5.82	V	75.8	1.00
2	2,483.500	41.69	54.00	12.31	5.91	V	75.8	1.00
2	2,484.000	40.91	54.00	13.09	5.92	V	75.8	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,461.500	109.28			5.82	V	86.6	1.00
2	2,483.500	56.28	74.00	17.72	5.91	V	125.2	2.00
2	2,485.000	57.70	74.00	16.30	5.92	V	125.2	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2462MHz: Fundamental frequency.

802.11ax (20MHz) (RU242):

CHANNEL	TX Channel 1	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.500	39.32	54.00	14.68	5.77	H	238.3	1.00
1	2,390.000	39.70	54.00	14.30	5.77	H	238.3	1.00
1	2,410.500	93.43			5.91	H	4.9	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.500	54.72	74.00	19.28	5.77	H	355.1	2.00
1	2,390.000	55.82	74.00	18.18	5.77	H	355.1	2.00
1	2,411.000	107.29			5.91	H	355.1	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.500	43.54	54.00	10.46	5.77	V	124	2.00
1	2,390.000	44.22	54.00	9.78	5.77	V	124	2.00
1	2,413.000	95.64			5.93	V	203.8	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	2,389.500	58.94	74.00	15.06	5.77	V	71.4	2.00
1	2,390.000	59.04	74.00	14.96	5.77	V	71.4	2.00
1	2,409.500	109.52			5.90	V	214.4	1.00

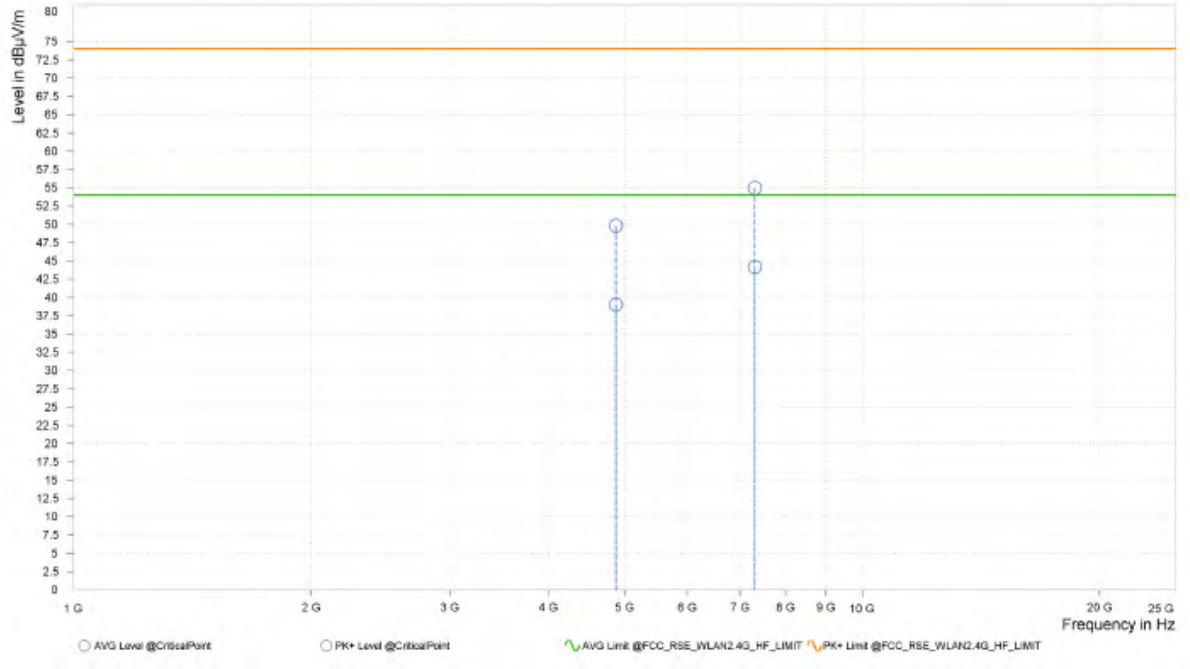
REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2412MHz: Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

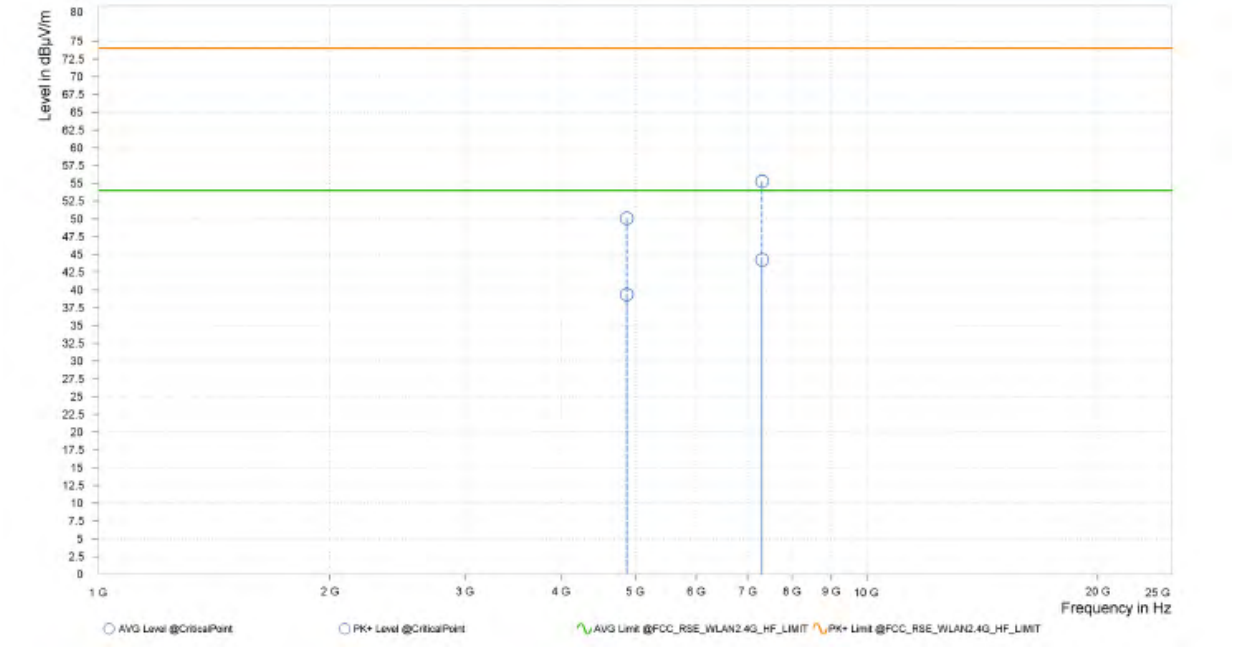
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,874.000	49.80	74.00	24.20	39.02	54.00	14.98	13.53	H	268.6	2.00
2	7,311.000	54.95	74.00	19.05	44.15	54.00	9.85	18.89	H	0.9	2.00



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,874.000	50.08	74.00	23.92	39.35	54.00	14.65	13.53	V	0.9	2.00
2	7,311.000	55.29	74.00	18.71	44.23	54.00	9.77	18.89	V	7.8	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2437MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,459.500	92.79			5.84	H	124	2.00
2	2,483.500	39.49	54.00	14.51	5.91	H	124	2.00
2	2,484.000	39.24	54.00	14.76	5.92	H	124	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,459.500	106.91			5.84	H	122.9	2.00
2	2,483.500	54.77	74.00	19.23	5.91	H	122.9	2.00
2	2,484.000	54.87	74.00	19.13	5.92	H	1	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,463.000	95.10			5.82	V	77	1.00
2	2,483.500	41.63	54.00	12.37	5.91	V	77	1.00
2	2,484.500	41.43	54.00	12.57	5.92	V	121.7	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	2,462.500	109.19			5.82	V	75.8	1.00
2	2,483.500	58.97	74.00	15.03	5.91	V	115.6	2.00
2	2,484.500	59.42	74.00	14.58	5.92	V	115.6	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2462MHz: Fundamental frequency.

802.11ax (40MHz) (RU484):

CHANNEL	TX Channel 3	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
3	2,389.500	39.10	54.00	14.90	5.77	H	355.1	2.00
3	2,390.000	39.24	54.00	14.76	5.77	H	355.1	2.00
3	2,419.500	90.09			5.96	H	237.2	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
3	2,389.500	56.28	74.00	17.72	5.77	H	4.9	1.00
3	2,390.000	55.82	74.00	18.18	5.77	H	4.9	1.00
3	2,424.000	103.43			5.95	H	359	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
3	2,389.500	42.35	54.00	11.65	5.77	V	355.7	2.00
3	2,390.000	42.67	54.00	11.33	5.77	V	355.7	2.00
3	2,416.000	94.86			5.95	V	4.9	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
3	2,387.500	58.10	74.00	15.90	5.75	V	28	1.00
3	2,390.000	57.38	74.00	16.62	5.77	V	197.8	1.00
3	2,425.000	110.82			5.94	V	28	1.00

REMARKS:

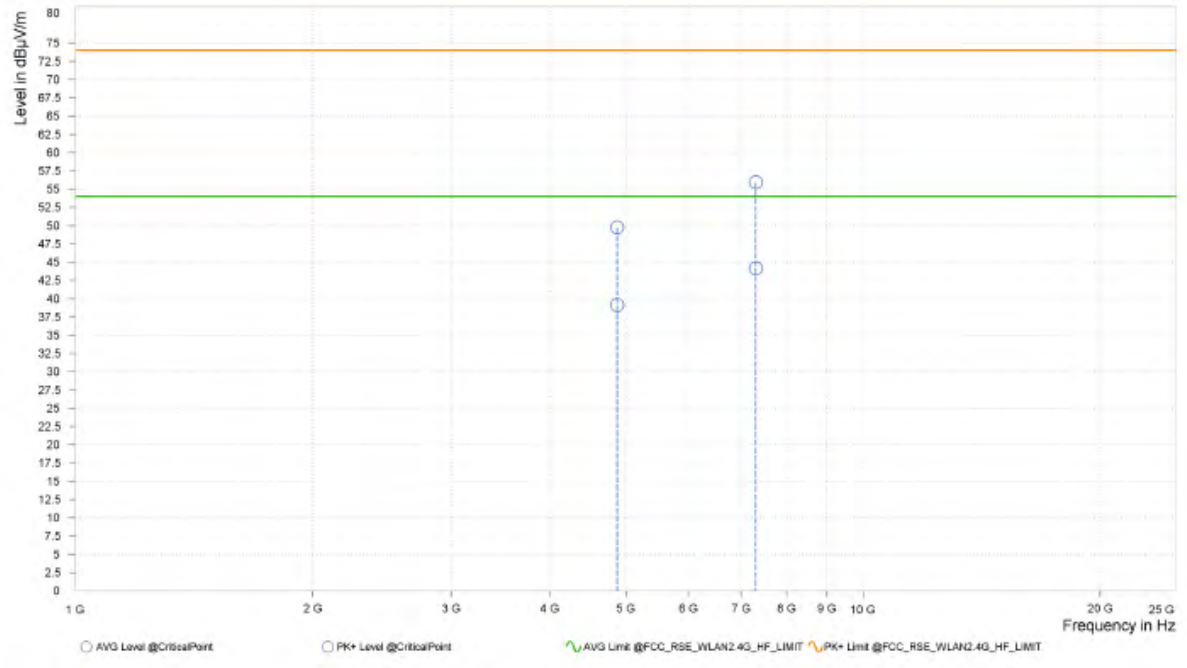
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2422MHz: Fundamental frequency.

802.11ax (40MHz) (RU484):

CHANNEL	TX Channel 6	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

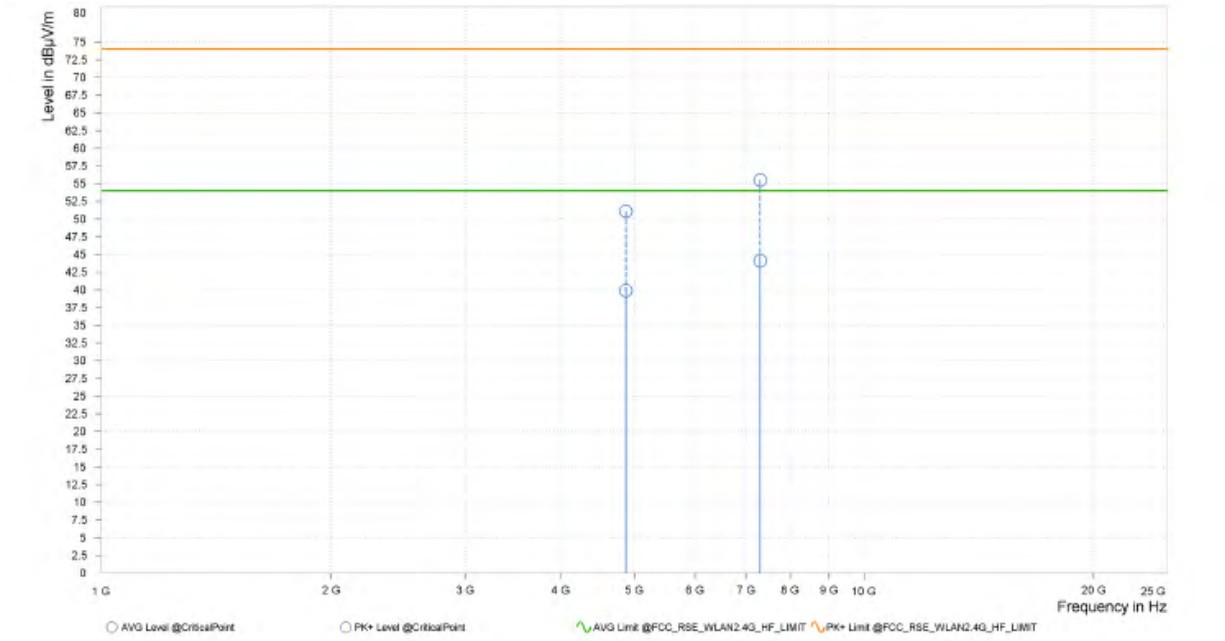
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4.874.000	49.75	74.00	24.25	39.12	54.00	14.88	13.53	H	359.1	1.00
2	7.311.000	55.94	74.00	18.06	44.17	54.00	9.83	18.89	H	359	2.00



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,874.000	51.09	74.00	22.91	39.88	54.00	14.12	13.53	V	2.4	2.00
2	7,311.000	55.52	74.00	18.48	44.13	54.00	9.87	18.89	V	0.9	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2437MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

802.11ax (40MHz) (RU484):

CHANNEL	TX Channel 9	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	2,454.000	90.79			5.87	H	120.4	2.00
4	2,483.500	38.82	54.00	15.18	5.91	H	120.4	2.00
4	2,484.000	38.65	54.00	15.35	5.92	H	120.4	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	2,448.500	104.96			5.90	H	319.7	1.00
4	2,483.500	57.00	74.00	17.00	5.91	H	201.8	2.00
4	2,485.000	57.36	74.00	16.64	5.92	H	1.1	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	2,456.500	94.80			5.85	V	78.2	1.00
4	2,483.500	44.11	54.00	9.89	5.91	V	119.2	2.00
4	2,484.000	43.68	54.00	10.32	5.92	V	119.2	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	2,448.000	109.64			5.90	V	78.2	1.00
4	2,483.500	58.99	74.00	15.01	5.91	V	78.2	1.00
4	2,485.000	58.03	74.00	15.97	5.92	V	240.7	1.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2452MHz: Fundamental frequency.

BELOW 1GHz WORST-CASE DATA:

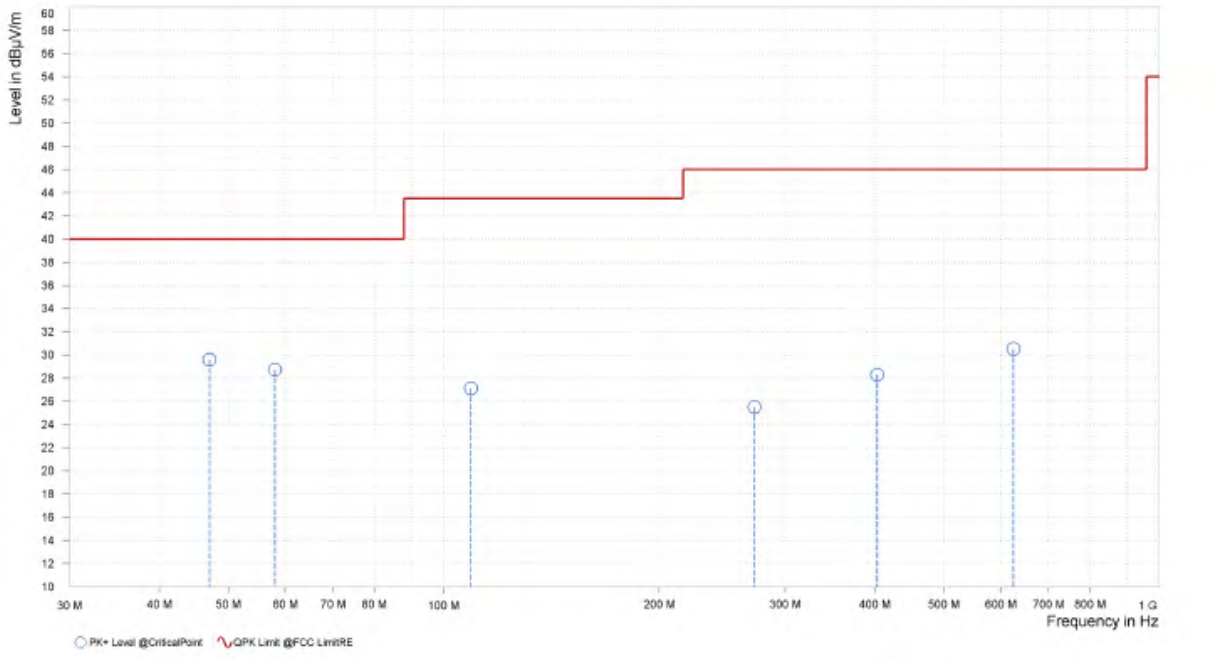
30 MHz – 1GHz data:

BT-LE _2M

CHANNEL	TX Channel 19	**0DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+: QPK Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	47.024	29.59	40.00	10.41	-7.50	H	358.2	1.00
1	58.082	28.72	40.00	11.28	-8.82	H	359.1	1.00
1	109.055	27.11	43.50	16.39	-9.21	H	359	2.00
1	271.530	25.50	46.00	20.50	-6.58	H	359.1	1.00
1	403.305	28.30	46.00	17.70	-3.37	H	1.8	2.00
1	625.289	30.50	46.00	15.50	-1.54	H	260.1	1.00



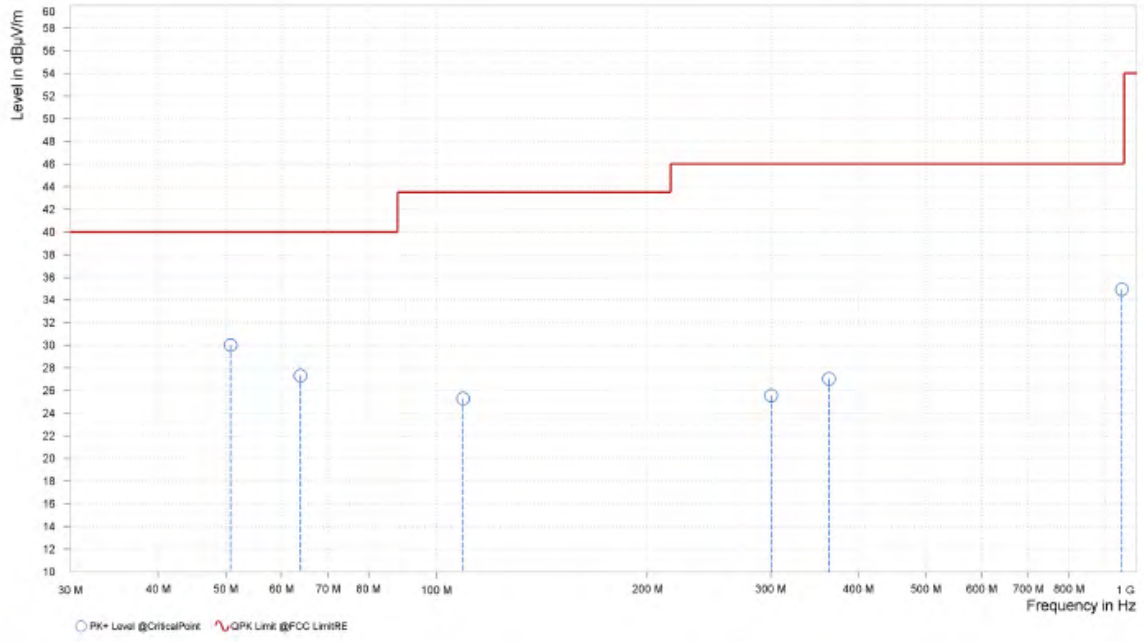
REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission level

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+: QPK Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	50.758	30.02	40.00	9.98	-7.53	V	1	2.00
1	63.950	27.33	40.00	12.67	-9.50	V	1	1.00
1	109.055	25.29	43.50	18.21	-9.21	V	232.6	2.00
1	300.485	25.56	46.00	20.44	-5.65	V	1	1.00
1	363.341	27.02	46.00	18.98	-3.74	V	1	2.00
1	951.646	34.92	46.00	11.08	3.34	V	128.6	1.00



REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission level

ABOVE 1GHz TEST DATA

Note: 1. For radiated emissions testing，the full testing range of different modes have been scanned，only the worst case harmonic data is reported in the sheet.

2. All other emissions were greater than 20dB below the limit was not recorded

BT-LE _1M

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,340.000	30.86	54.00	23.14	-1.29	H	358.7	1.00
5	2,390.000	30.93	54.00	23.07	-1.05	H	191	1.00
5	2,402.000	65.06			-0.96	H	355.8	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,328.000	46.85	74.00	27.15	-1.33	H	140.9	1.00
5	2,390.000	44.99	74.00	29.01	-1.05	H	4.2	1.00
5	2,402.500	85.66			-0.95	H	122.4	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,345.500	31.93	54.00	22.07	-1.27	V	103.8	1.00
5	2,390.000	31.35	54.00	22.65	-1.05	V	169	2.00
5	2,402.000	69.39			-0.96	V	3	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,331.500	47.01	74.00	26.99	-1.32	V	264.6	2.00
5	2,390.000	46.04	74.00	27.96	-1.05	V	167.8	2.00
5	2,402.000	88.98			-0.96	V	264.6	2.00

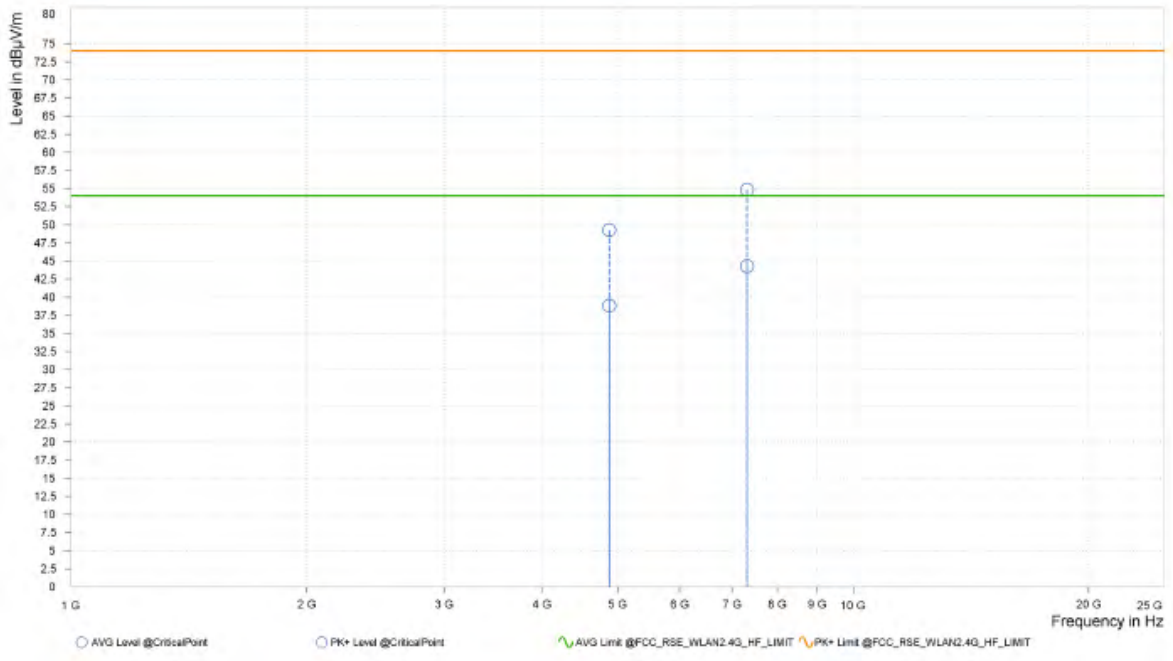
REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2402MHz: Fundamental frequency.

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

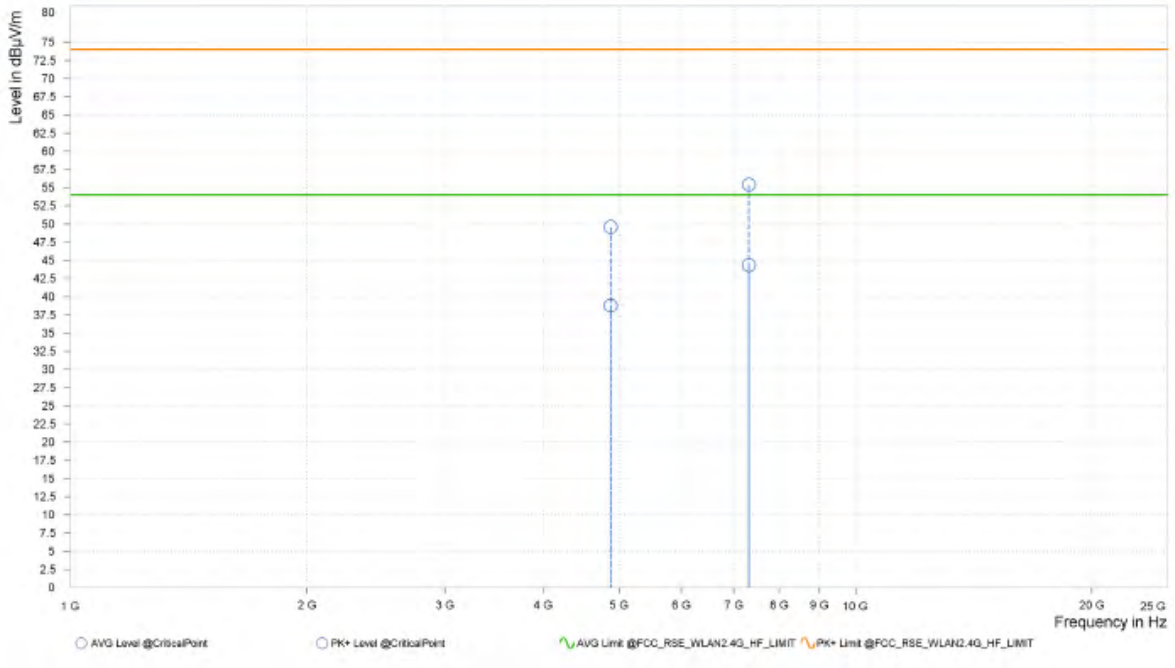
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,880.000	49.25	74.00	24.75	38.81	54.00	15.19	13.54	H	359	2.00
2	7,320.000	54.81	74.00	19.19	44.30	54.00	9.70	18.90	H	14.1	2.00



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,880.000	49.57	74.00	24.43	38.76	54.00	15.24	13.54	V	1	2.00
2	7,320.000	55.40	74.00	18.60	44.36	54.00	9.64	18.90	V	23.7	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2440MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL	TX Channel 39	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.760	68.17			-0.88	H	40.4	1.00
6	2,483.500	38.00	54.00	16.00	-0.87	H	40.4	1.00
6	2,483.720	38.47	54.00	15.53	-0.87	H	40.4	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.320	86.85			-0.88	H	44	1.00
6	2,483.500	48.34	74.00	25.66	-0.87	H	289	1.00
6	2,484.600	48.41	74.00	25.59	-0.86	H	289	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.980	70.75			-0.88	V	70.9	2.00
6	2,483.500	42.15	54.00	11.85	-0.87	V	70.9	2.00
6	2,483.720	42.78	54.00	11.22	-0.87	V	70.9	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,480.420	90.12			-0.88	V	72.2	2.00
6	2,483.500	52.65	74.00	21.35	-0.87	V	72.2	2.00
6	2,489.440	48.12	74.00	25.88	-0.85	V	170.2	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2480MHz: Fundamental frequency.

BT-LE _2M

CHANNEL	TX Channel 1	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,380.000	31.05	54.00	22.95	-1.13	H	95.4	1.00
5	2,390.000	30.90	54.00	23.10	-1.05	H	43.9	1.00
5	2,404.000	55.00			-0.94	H	207.3	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,374.500	46.71	74.00	27.29	-1.17	H	170.2	2.00
5	2,390.000	45.20	74.00	28.80	-1.05	H	356.5	2.00
5	2,405.000	84.72			-0.93	H	248.5	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,378.500	31.32	54.00	22.68	-1.14	V	94.3	1.00
5	2,390.000	31.02	54.00	22.98	-1.05	V	212.1	2.00
5	2,404.000	57.95			-0.94	V	157.1	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,318.500	47.13	74.00	26.87	-1.38	V	198.9	2.00
5	2,390.000	45.71	74.00	28.29	-1.05	V	4.2	1.00
5	2,404.000	89.89			-0.94	V	121.1	2.00

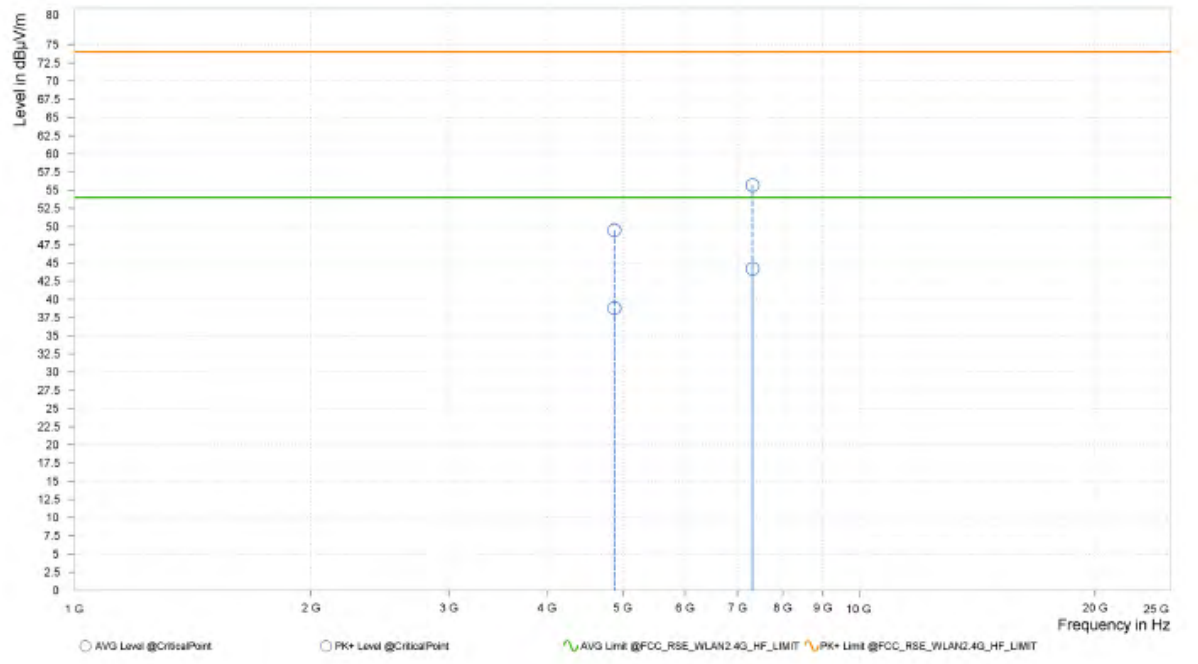
REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2404MHz: Fundamental frequency.

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

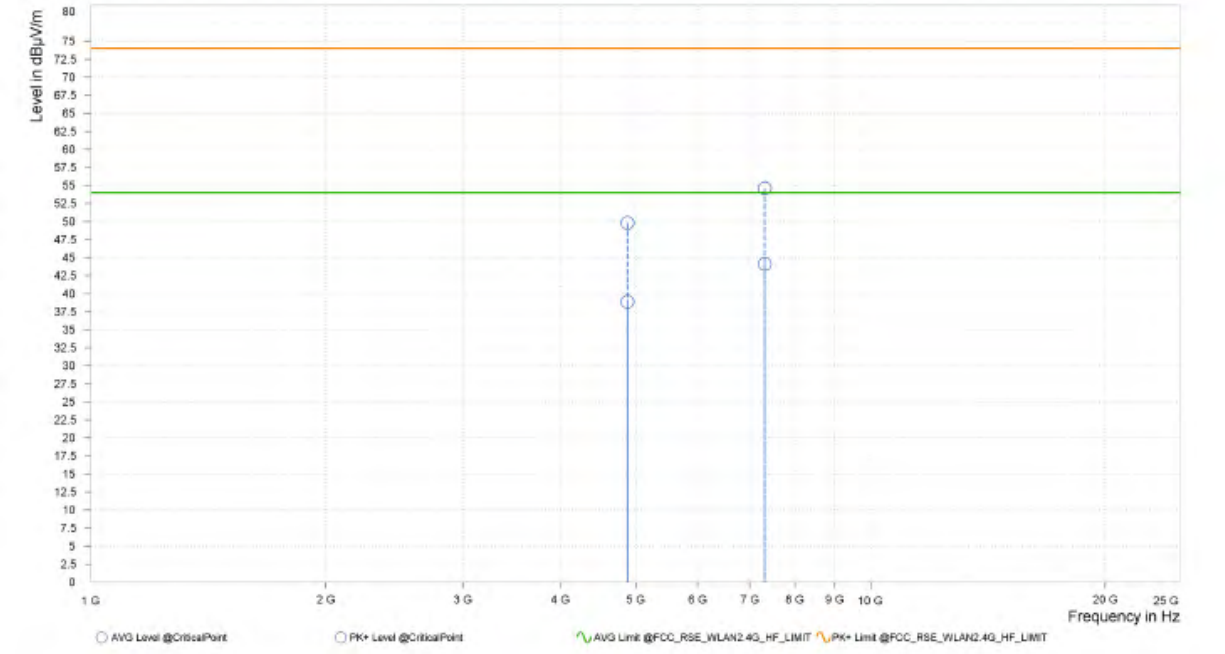
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,880.000	49.50	74.00	24.50	38.76	54.00	15.24	13.54	H	22.6	2.00
2	7,320.000	55.70	74.00	18.30	44.21	54.00	9.79	18.90	H	359.1	1.00



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,880.000	49.82	74.00	24.18	38.86	54.00	15.14	13.54	V	359	2.00
2	7,320.000	54.60	74.00	19.40	44.10	54.00	9.90	18.90	V	269.8	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2440MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,477.920	55.85			-0.88	H	296.2	1.00
6	2,483.500	31.15	54.00	22.85	-0.87	H	296.2	1.00
6	2,488.000	31.08	54.00	22.92	-0.85	H	360.1	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,477.440	85.10			-0.88	H	44	1.00
6	2,483.500	45.64	74.00	28.36	-0.87	H	216.8	2.00
6	2,483.920	46.22	74.00	27.78	-0.87	H	360	1.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,477.920	58.65			-0.88	V	119.9	2.00
6	2,483.500	31.57	54.00	22.43	-0.87	V	69.8	2.00
6	2,493.760	31.25	54.00	22.75	-0.84	V	218	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,477.440	89.91			-0.88	V	117.6	2.00
6	2,483.500	45.73	74.00	28.27	-0.87	V	166.6	2.00
6	2,494.000	46.81	74.00	27.19	-0.84	V	166.6	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2478MHz: Fundamental frequency.

BT-LE _S2

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,355.500	30.95	54.00	23.05	-1.24	H	19.2	2.00
5	2,390.000	30.86	54.00	23.14	-1.05	H	156.5	1.00
5	2,402.000	67.16			-0.96	H	11	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,360.000	46.11	74.00	27.89	-1.23	H	360.1	1.00
5	2,390.000	45.21	74.00	28.79	-1.05	H	1	2.00
5	2,402.000	84.55			-0.96	H	313.8	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,358.500	31.78	54.00	22.22	-1.23	V	166.6	2.00
5	2,390.000	31.06	54.00	22.94	-1.05	V	95.4	1.00
5	2,402.000	70.38			-0.96	V	117.6	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,366.500	47.21	74.00	26.79	-1.21	V	167.8	2.00
5	2,390.000	45.40	74.00	28.60	-1.05	V	0	2.00
5	2,402.000	89.71			-0.96	V	119.9	2.00

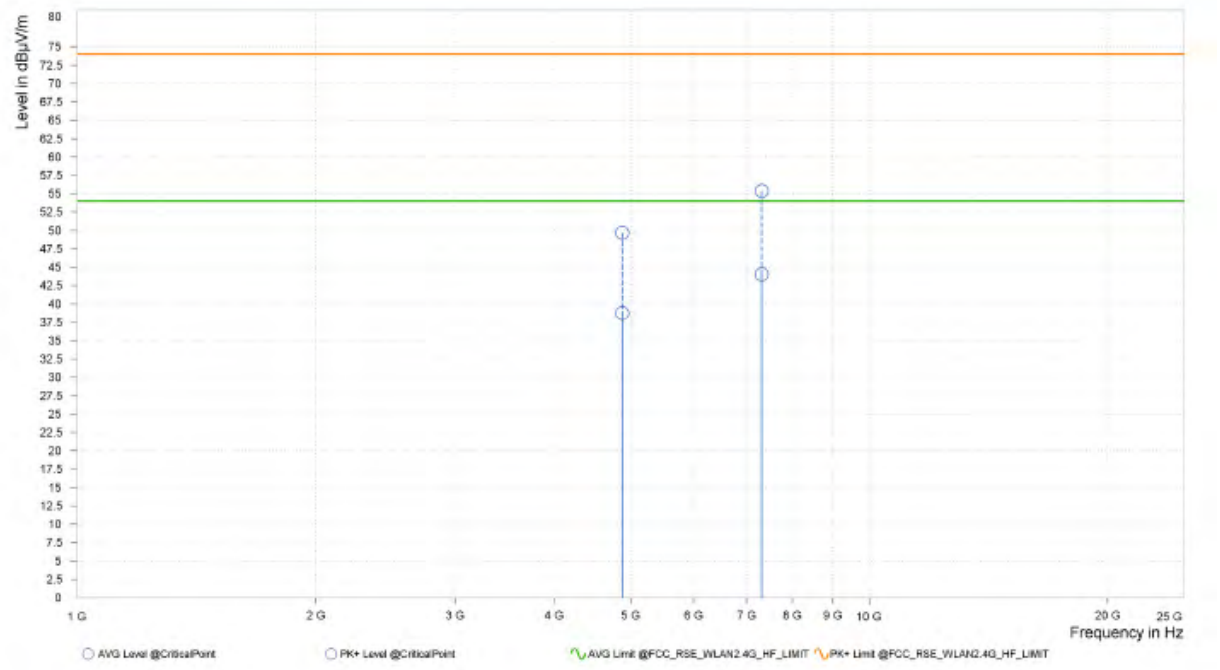
REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2402MHz: Fundamental frequency.

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

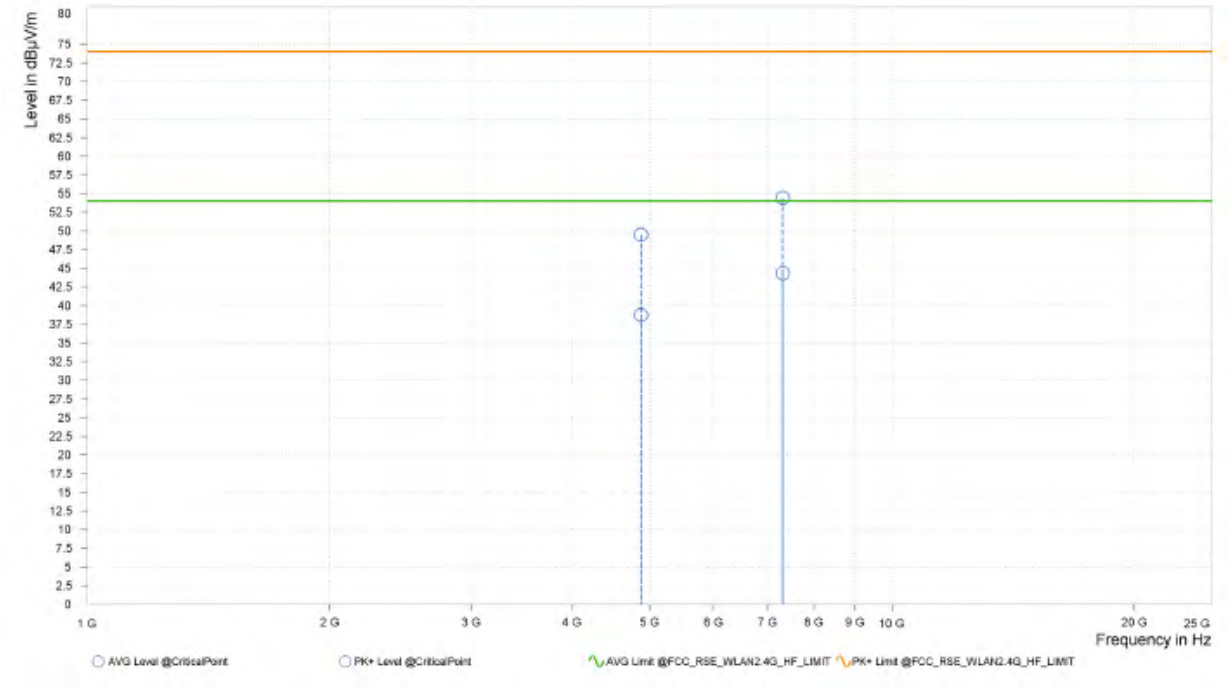
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,880.000	49.67	74.00	24.33	38.73	54.00	15.27	13.54	H	359	2.00
2	7,320.000	55.37	74.00	18.63	44.02	54.00	9.98	18.90	H	359	2.00



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,880.000	49.48	74.00	24.52	38.71	54.00	15.29	13.54	V	1	2.00
2	7,320.000	54.44	74.00	19.56	44.34	54.00	9.66	18.90	V	359	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2440MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL	TX Channel 39	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.980	67.72			-0.88	H	296.3	1.00
6	2,483.500	34.98	54.00	19.02	-0.87	H	296.3	1.00
6	2,483.720	35.31	54.00	18.69	-0.87	H	296.3	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.980	83.61			-0.88	H	100.9	2.00
6	2,483.500	47.81	74.00	26.19	-0.87	H	151	2.00
6	2,483.720	47.86	74.00	26.14	-0.87	H	151	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.980	71.48			-0.88	V	67.4	2.00
6	2,483.500	39.96	54.00	14.04	-0.87	V	314.9	2.00
6	2,483.720	40.68	54.00	13.32	-0.87	V	314.9	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.980	90.29			-0.88	V	67.4	2.00
6	2,483.500	51.42	74.00	22.58	-0.87	V	314.9	2.00
6	2,484.380	52.31	74.00	21.69	-0.87	V	314.9	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2480MHz: Fundamental frequency.

BT-LE _S8

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,358.000	31.00	54.00	23.00	-1.24	H	239	1.00
5	2,390.000	30.87	54.00	23.13	-1.05	H	360	2.00
5	2,402.000	75.13			-0.96	H	313.8	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,386.500	46.38	74.00	27.62	-1.08	H	-0.1	2.00
5	2,390.000	44.61	74.00	29.39	-1.05	H	349.2	1.00
5	2,402.000	84.40			-0.96	H	316.1	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,355.000	31.65	54.00	22.35	-1.25	V	164.2	2.00
5	2,390.000	31.02	54.00	22.98	-1.05	V	4.2	1.00
5	2,402.000	79.44			-0.96	V	114	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,315.000	47.65	74.00	26.35	-1.41	V	121.7	1.00
5	2,390.000	45.11	74.00	28.89	-1.05	V	220.9	1.00
5	2,402.000	89.53			-0.96	V	118.8	2.00

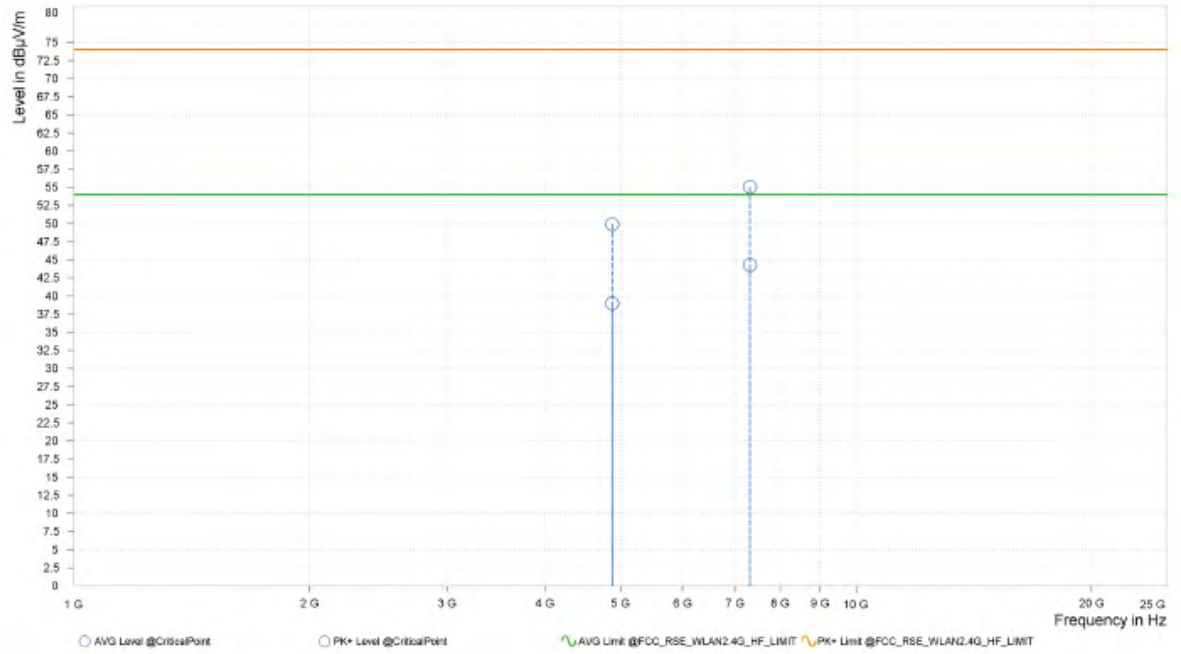
REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2402MHz: Fundamental frequency.

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

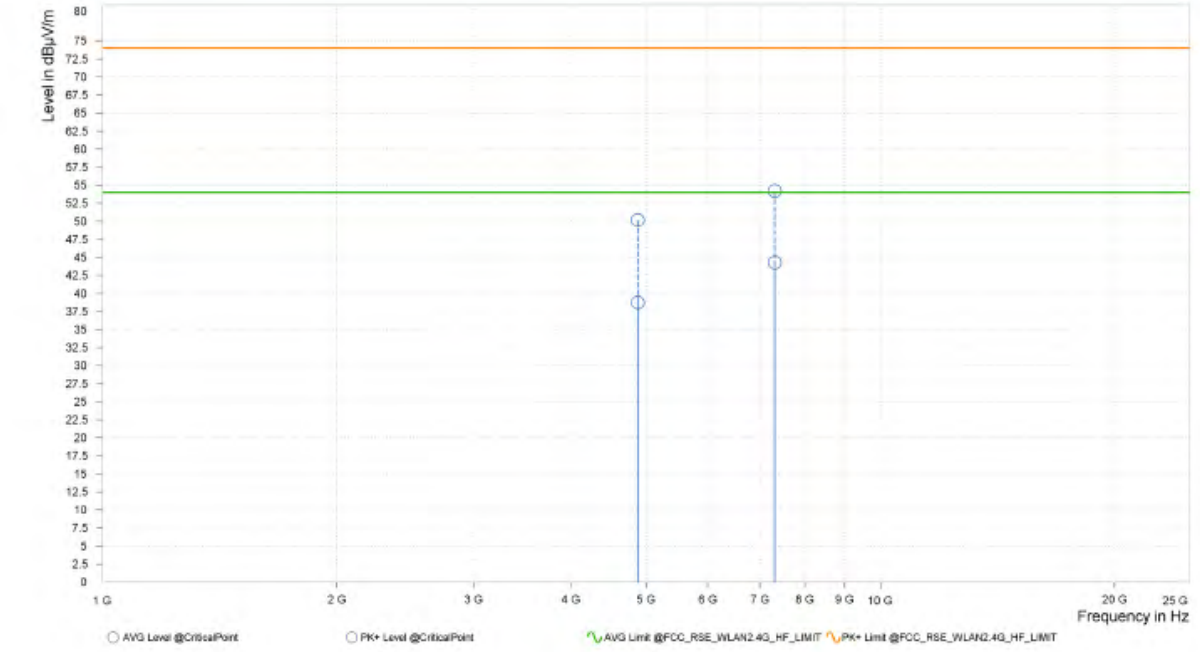
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,880.000	49.90	74.00	24.10	38.97	54.00	15.03	13.54	H	89	1.00
2	7,320.000	55.03	74.00	18.97	44.29	54.00	9.71	18.90	H	23.6	2.00



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	4,880.000	50.14	74.00	23.86	38.72	54.00	15.28	13.54	V	359.1	1.00
2	7,320.000	54.19	74.00	19.81	44.31	54.00	9.69	18.90	V	0.9	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2440MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL	TX Channel 39	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.980	75.22			-0.88	H	324.9	1.00
6	2,483.500	36.11	54.00	17.89	-0.87	H	114	2.00
6	2,483.720	36.59	54.00	17.41	-0.87	H	114	2.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.980	85.26			-0.88	H	296.2	1.00
6	2,483.500	47.20	74.00	26.80	-0.87	H	296.2	1.00
6	2,484.160	47.71	74.00	26.29	-0.87	H	117.6	2.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.980	81.11			-0.88	V	66.2	2.00
6	2,483.500	42.94	54.00	11.06	-0.87	V	253.2	1.00
6	2,483.720	43.79	54.00	10.21	-0.87	V	253.2	1.00

Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
6	2,479.980	90.31			-0.88	V	66.2	2.00
6	2,483.500	51.26	74.00	22.74	-0.87	V	313.8	2.00
6	2,484.160	51.64	74.00	22.36	-0.87	V	313.8	2.00

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value – Emission level.
2. 2480MHz: Fundamental frequency.

3.3 6 dB BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

3.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Meter	ANRITSU	ML2495A	1506002	Feb. 14,24	Feb. 13,25
EXA Signal Analyzer	KEYSIGHT	N9010A-526	MY54510523	Feb. 14,24	Feb. 13,25
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.10,23	May.09,24
Power Sensor	ANRITSU	MA2411B	1339352	Feb. 14,24	Feb. 13,25

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test was performed in RF Oven room.

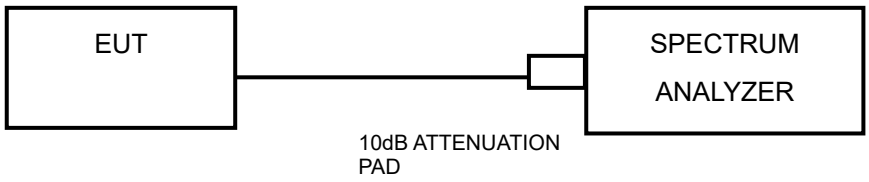
3.3.3 TEST PROCEDURE

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.3.4 DEVIATION FROM TEST STANDARD

No deviation.

3.3.5 TEST SETUP



3.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.3.7 TEST RESULTS

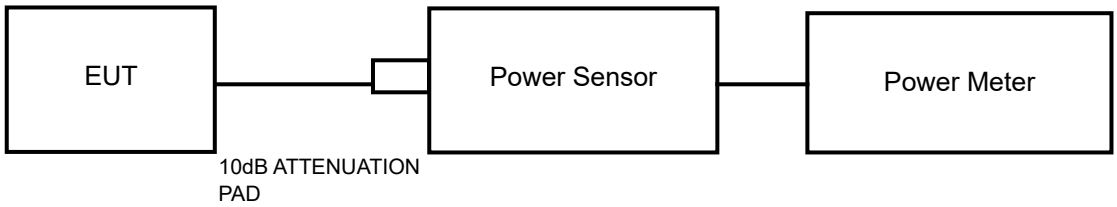
Please Refer to Appendix1/2 Of this test report.

3.4 CONDUCTED OUTPUT POWER

3.4.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

For systems using digital modulation in the 2400–2483.5 MHz band: 1 Watt (30dBm)

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.4.4 TEST PROCEDURES

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.4.7 TEST RESULTS

3.4.7.1 MAXIMUM PEAK OUTPUT POWER

Please Refer to Appendix1/2 Of this test report.

3.4.7.2 AVERAGE OUTPUT POWER (FOR REFERENCE)

The average power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

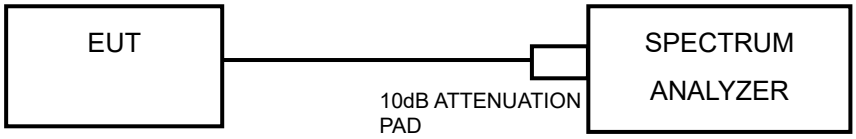
Please Refer to Appendix1/2 Of this test report.

3.5 POWER SPECTRAL DENSITY MEASUREMENT

3.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

3.5.2 TEST SETUP



3.5.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.5.4 TEST PROCEDURE

1. Set the span to 1.5 times the DTS bandwidth
2. Set the RBW = 3 kHz, VBW ≥ 3 x RBW, Detector = peak.
3. Sweep time = auto couple, Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

3.5.5 DEVIATION FROM TEST STANDARD

No deviation.

3.5.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.5.7 TEST RESULTS

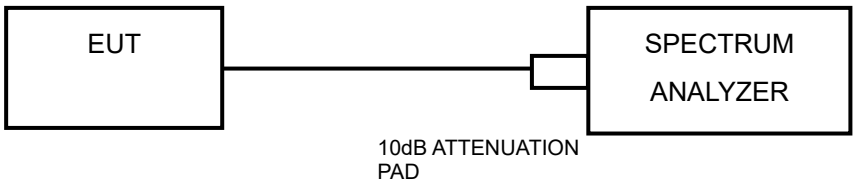
Please Refer to Appendix1/2 Of this test report.

3.6 OUT OF BAND EMISSION MEASUREMENT

3.6.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

3.6.2 TEST SETUP



3.6.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.6.4 TEST PROCEDURE

MEASUREMENT PROCEDURE REF

1. Set the RBW = 100 kHz.
2. Set the VBW ≥ 300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOBE

1. Set RBW = 100 kHz.
2. Set VBW ≥ 300 kHz.
3. Set span to encompass the spectrum to be examined
4. Detector = peak.
5. Trace Mode = max hold.
6. Sweep = auto couple.

3.6.5 DEVIATION FROM TEST STANDARD

No deviation.

3.6.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.6.7 TEST RESULTS

The spectrum plots are attached on the following images. D1 line indicates the highest level. D2 line indicates the 20dB offset below D1. It shows compliance to the requirement.

Please Refer to Appendix1/2 Of this test report.

3.7 ANTENNA REQUIREMENTS

3.7.1 STANDARD APPLICABLE

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.7.2 ANTENNA CONNECTED CONSTRUCTION

An embedded-in antenna design is used.

3.7.3 ANTENNA GAIN

Accoring to FCC KDB 662911 D01 Multiple Transmitter Output v02r01
For CDD transmissions,directional gain is calculated as
Directional gain=GANT +Array Gain, where Array Gain is as follows.
For power spectral density (PSD) measurements on all devices,
Array Gain= 10 log(NANT/ Nss) dB;
For power measurements on IEEE 802.11 devices,Array Gain = 0 dB for NANT≤ 4;
The EUT supports Cyclic Delay Diversity (CDD) mode,
For power measurements,the directional GANT is set equal to the antenna having the highest gain as following formulas.

Directional Gain = Max.Gain + Array Gain.

For PSD measurements,the directional GANT is calculation is following F)2)f)ii of KDB 662911 D01 v02r01.
The directional gain is calculated as following table.

2.4GHz	Ant 1 (dBi)	Ant 2 (dBi)	DG For Power (dBi)	DG For PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	-0.7	-0.7	-0.7	2.31	0.00	0.00

NOTE :DG= directional gain, Power Limit Reduction = DG For Power Gain -6dbi<0

PSD Limit Reduction = DG For PSD – 6dBi<0.Therefore, it is not necessary to reduce maximum peak output power and PSD limit.

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

6 APPENDIX 1

WLAN
DTS BANDWIDTH

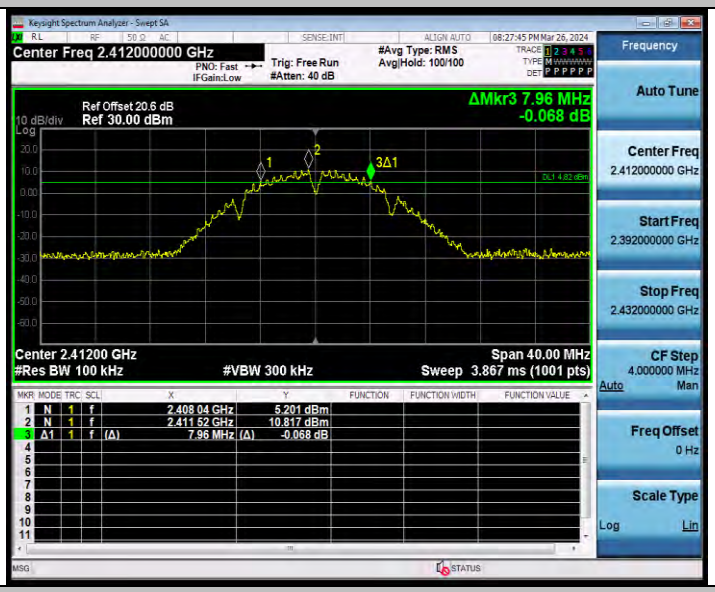
TEST RESULT

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	7.960	2408.040	2416.000	0.5	PASS
	Ant2	2412	7.560	2408.480	2416.040	0.5	PASS
	Ant1	2437	8.040	2433.000	2441.040	0.5	PASS
	Ant2	2437	8.080	2432.960	2441.040	0.5	PASS
	Ant1	2462	8.120	2457.960	2466.080	0.5	PASS
	Ant2	2462	8.080	2457.960	2466.040	0.5	PASS
11G-CDD	Ant1	2412	16.040	2404.120	2420.160	0.5	PASS
	Ant2	2412	16.320	2403.840	2420.160	0.5	PASS
	Ant1	2437	15.120	2429.440	2444.560	0.5	PASS
	Ant2	2437	15.040	2429.480	2444.520	0.5	PASS
	Ant1	2462	15.040	2454.480	2469.520	0.5	PASS
	Ant2	2462	15.240	2454.280	2469.520	0.5	PASS
11N20MIMO	Ant1	2412	15.520	2404.640	2420.160	0.5	PASS
	Ant2	2412	15.240	2404.520	2419.760	0.5	PASS
	Ant1	2437	14.080	2429.240	2443.320	0.5	PASS
	Ant2	2437	12.800	2430.720	2443.520	0.5	PASS
	Ant1	2462	14.680	2454.480	2469.160	0.5	PASS
	Ant2	2462	15.000	2454.520	2469.520	0.5	PASS
11N40MIMO	Ant1	2422	30.080	2406.960	2437.040	0.5	PASS
	Ant2	2422	35.040	2404.480	2439.520	0.5	PASS
	Ant1	2437	34.960	2419.480	2454.440	0.5	PASS
	Ant2	2437	34.400	2420.120	2454.520	0.5	PASS
	Ant1	2452	31.520	2435.520	2467.040	0.5	PASS
	Ant2	2452	35.680	2433.840	2469.520	0.5	PASS
11AX20MIMO	Ant1	2412	15.720	2404.800	2420.520	0.5	PASS

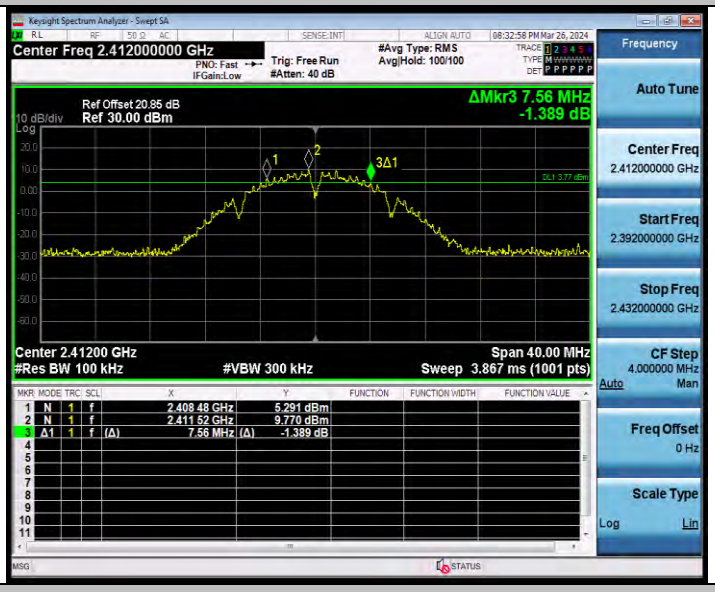
	Ant2	2412	15.760	2404.520	2420.280	0.5	PASS
	Ant1	2437	18.840	2427.560	2446.400	0.5	PASS
	Ant2	2437	18.480	2427.600	2446.080	0.5	PASS
	Ant1	2462	18.040	2452.960	2471.000	0.5	PASS
	Ant2	2462	18.600	2452.720	2471.320	0.5	PASS
11AX40MIMO	Ant1	2422	36.720	2403.120	2439.840	0.5	PASS
	Ant2	2422	35.600	2403.920	2439.520	0.5	PASS
	Ant1	2437	37.280	2418.200	2455.480	0.5	PASS
	Ant2	2437	36.320	2418.200	2454.520	0.5	PASS
	Ant1	2452	37.520	2433.360	2470.880	0.5	PASS
	Ant2	2452	36.960	2432.880	2469.840	0.5	PASS

TEST GRAPHS

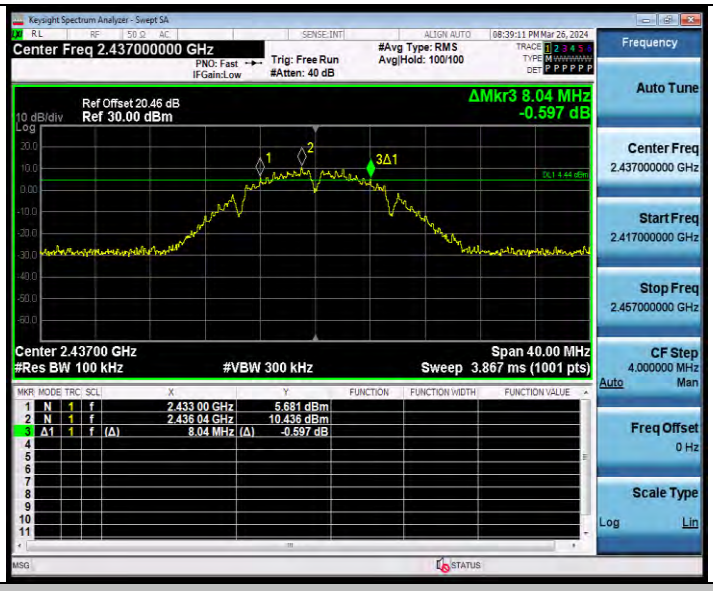
11B-CDD_Ant1_2412



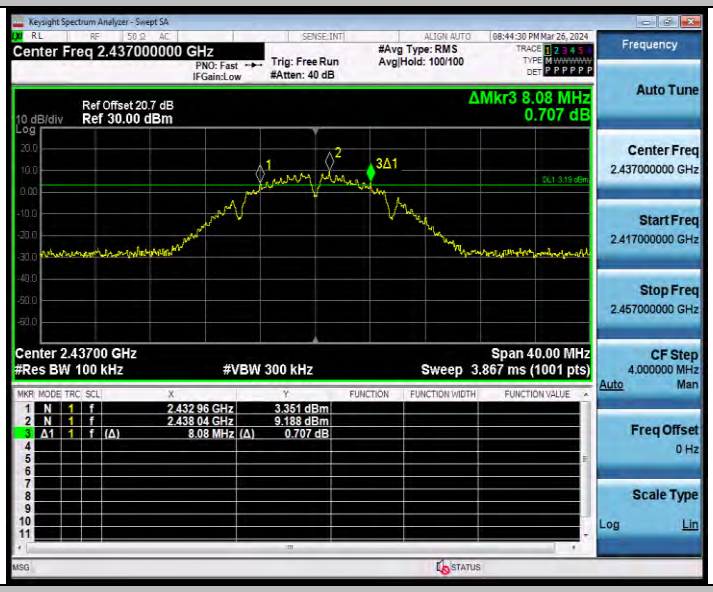
11B-CDD_Ant2_2412



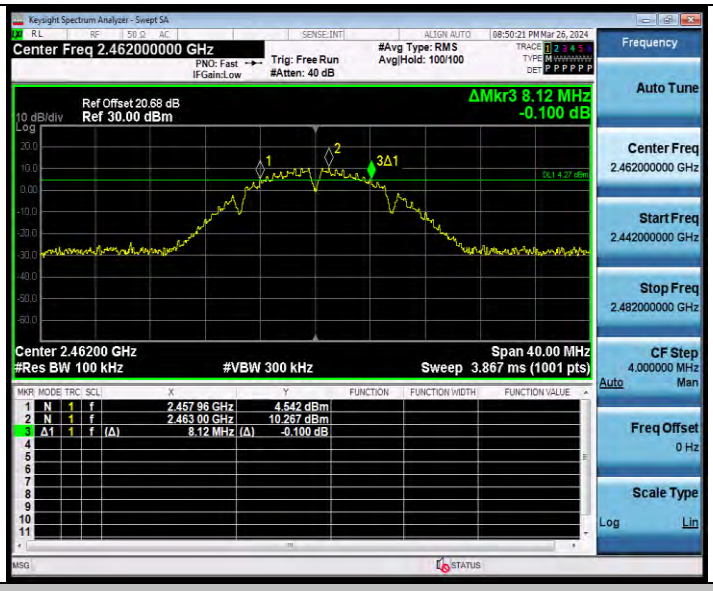
11B-CDD_Ant1_2437



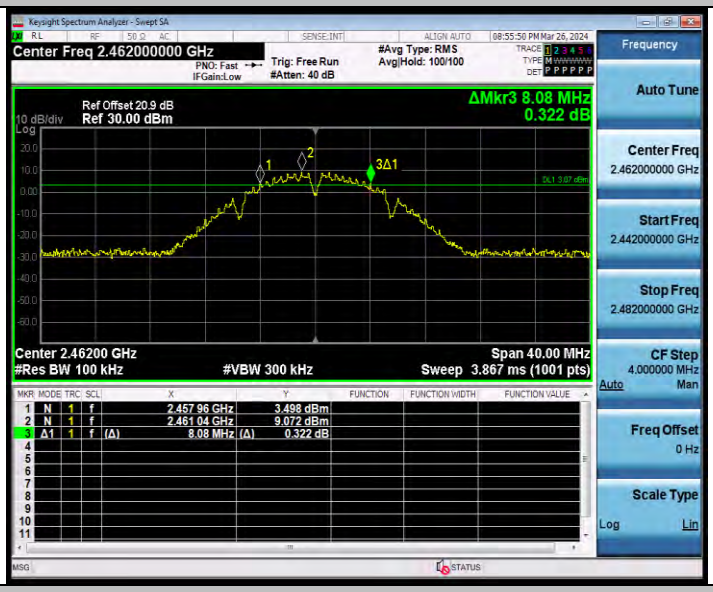
11B-CDD_Ant2_2437



11B-CDD_Ant1_2462



11B-CDD_Ant2_2462



11G-CDD_Ant1_2412