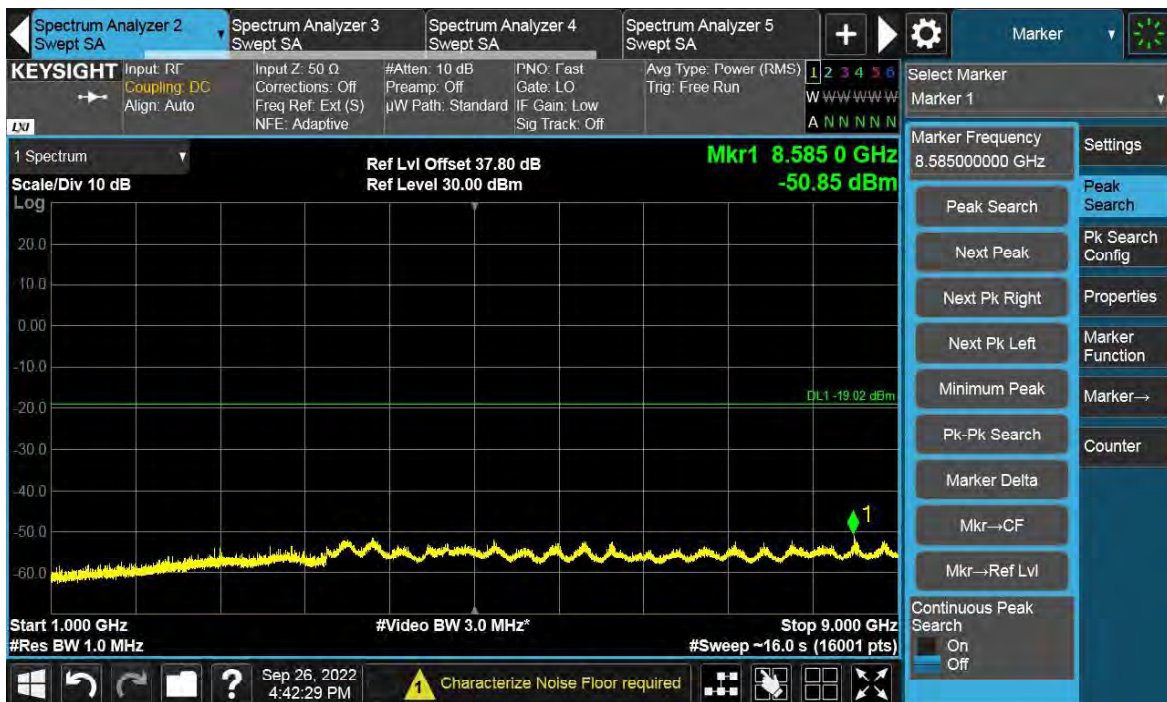
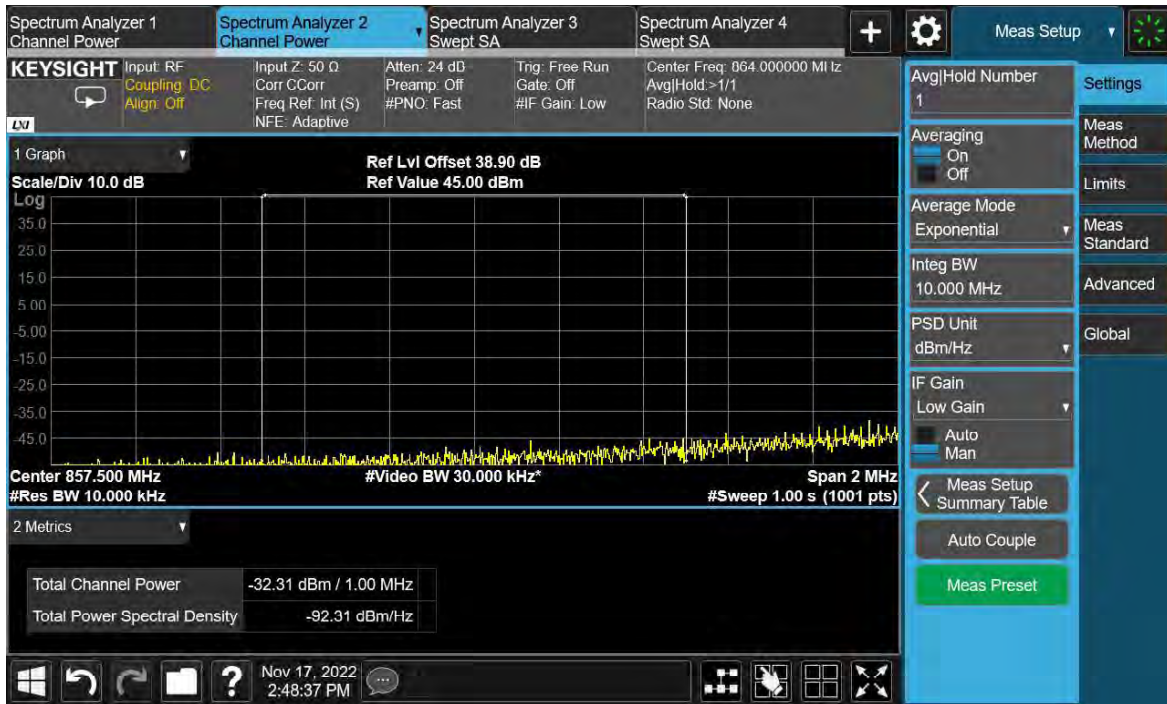
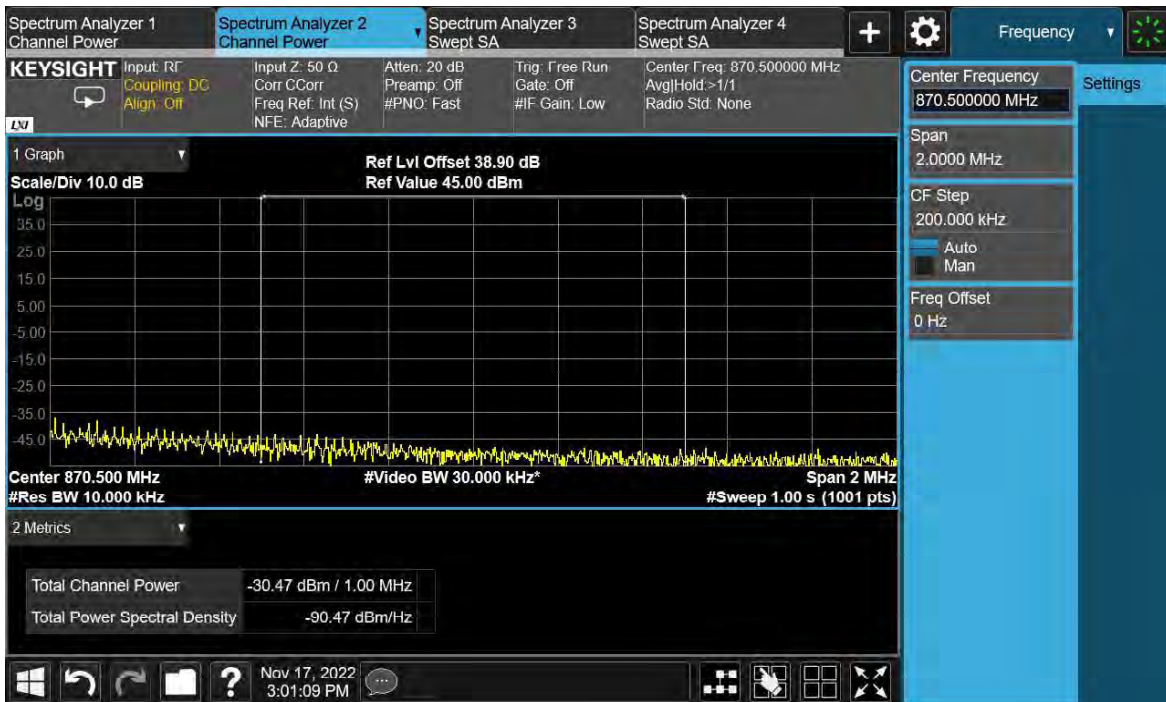
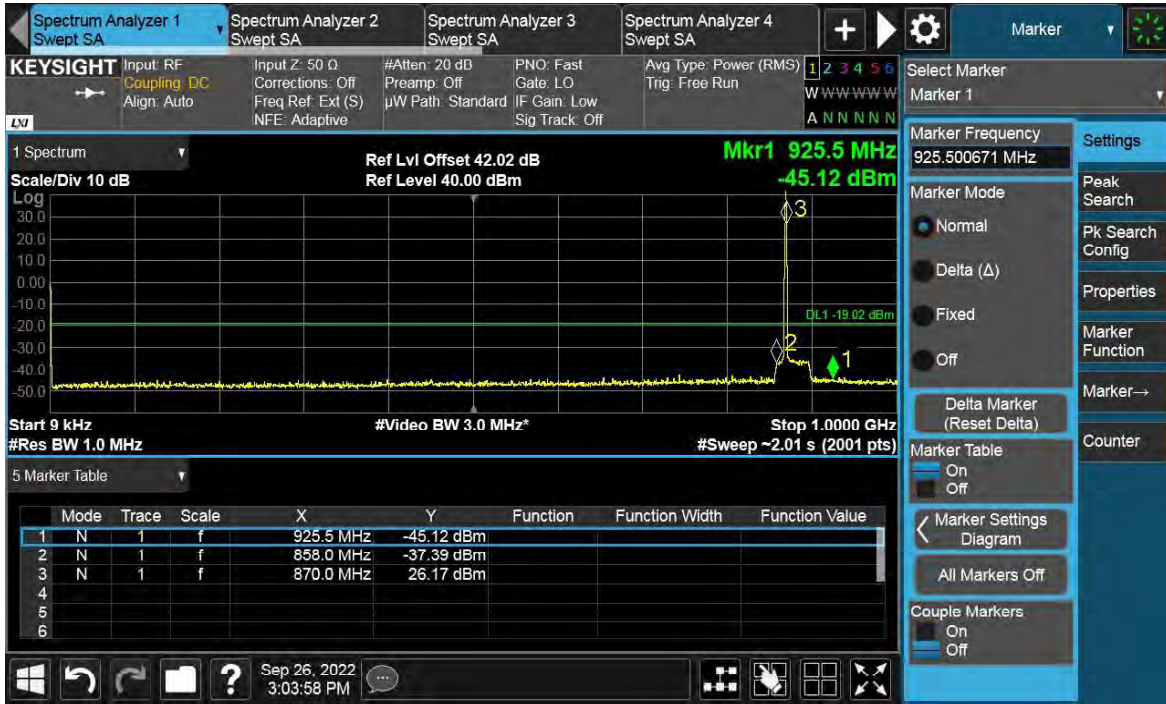


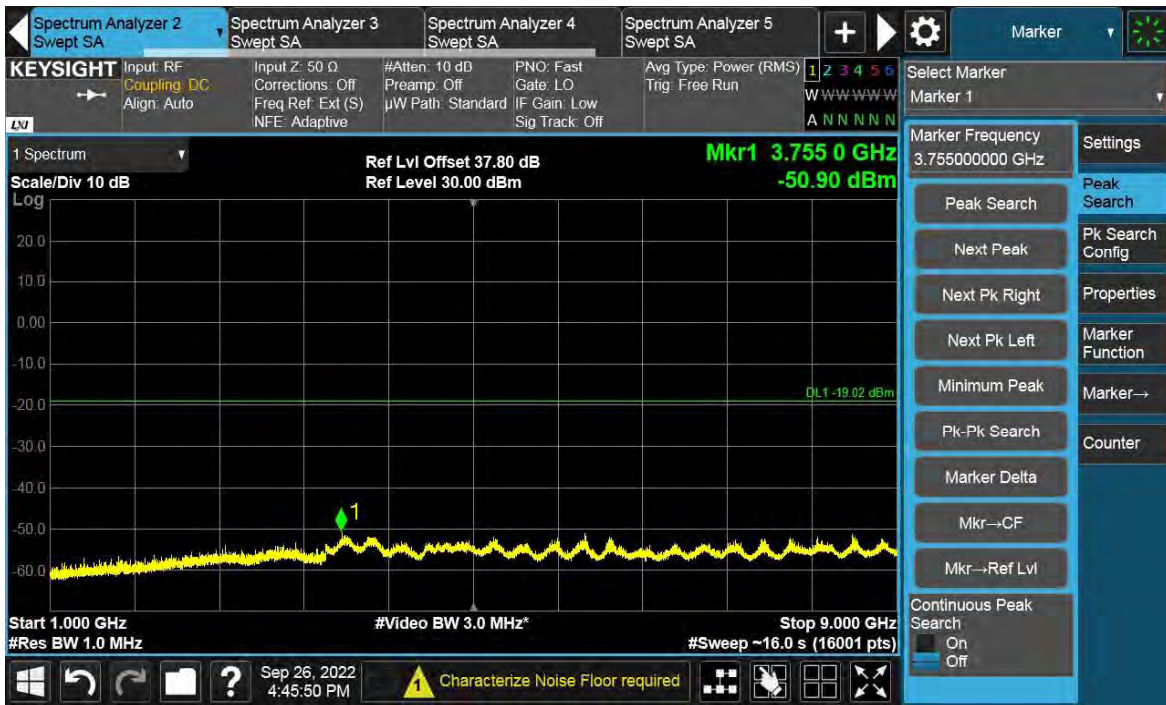
TEST REPORT



Channel Position T



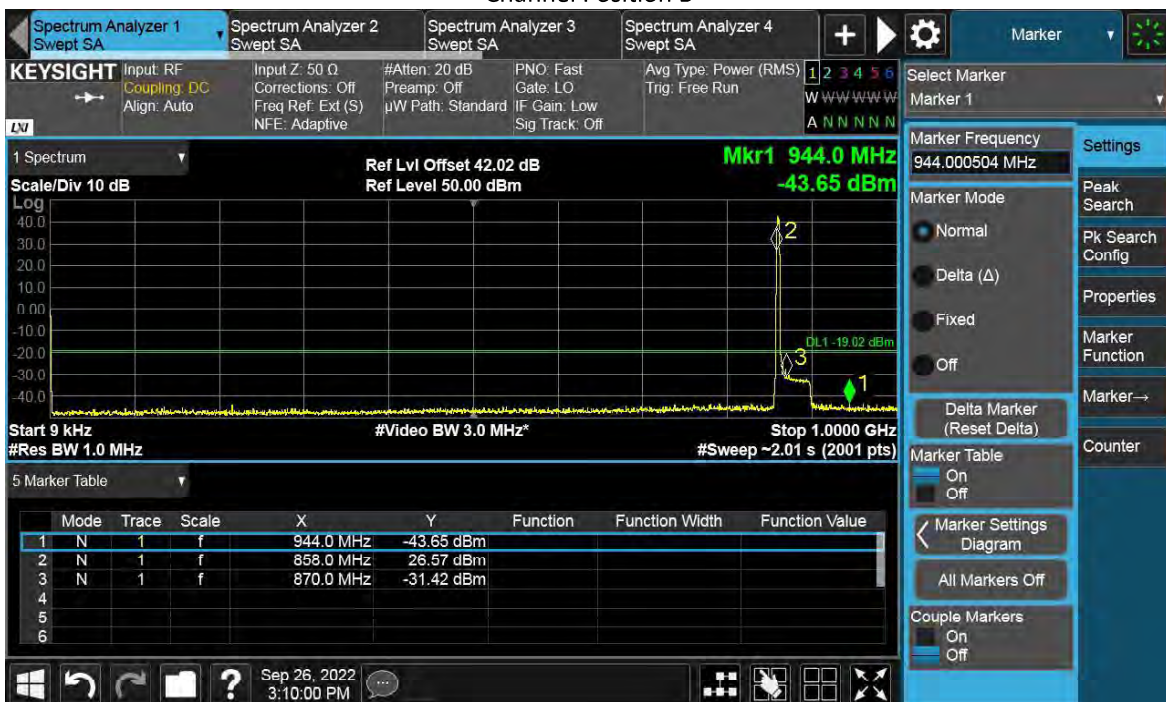
TEST REPORT



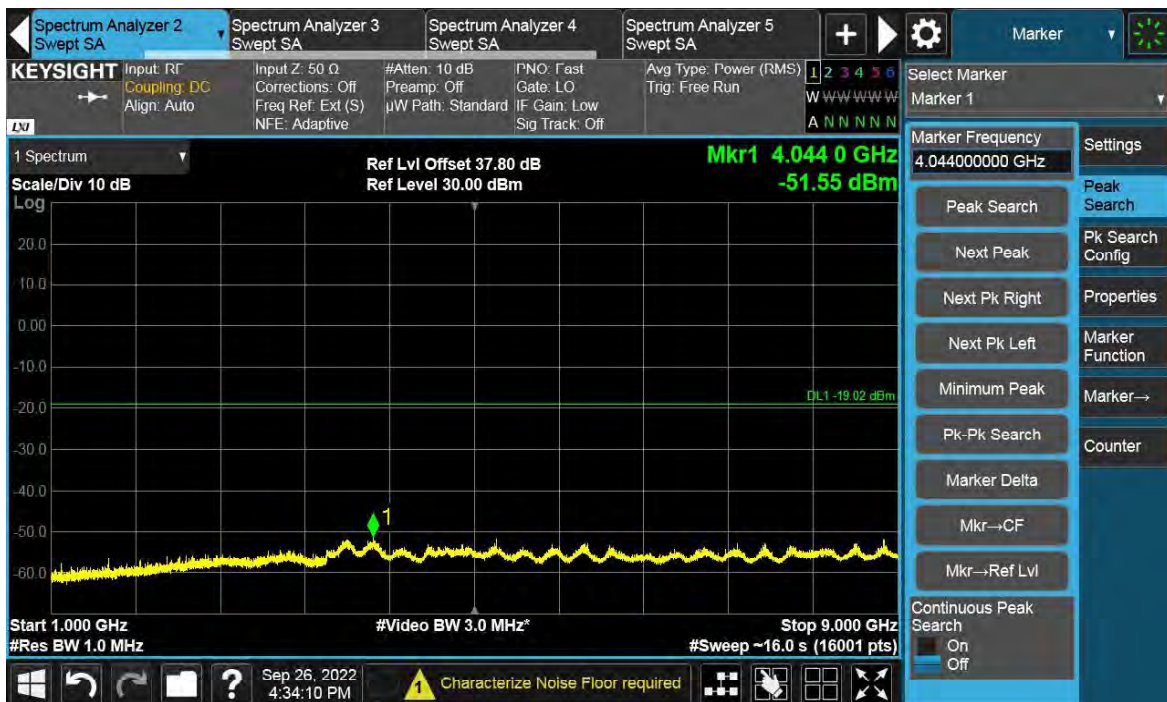
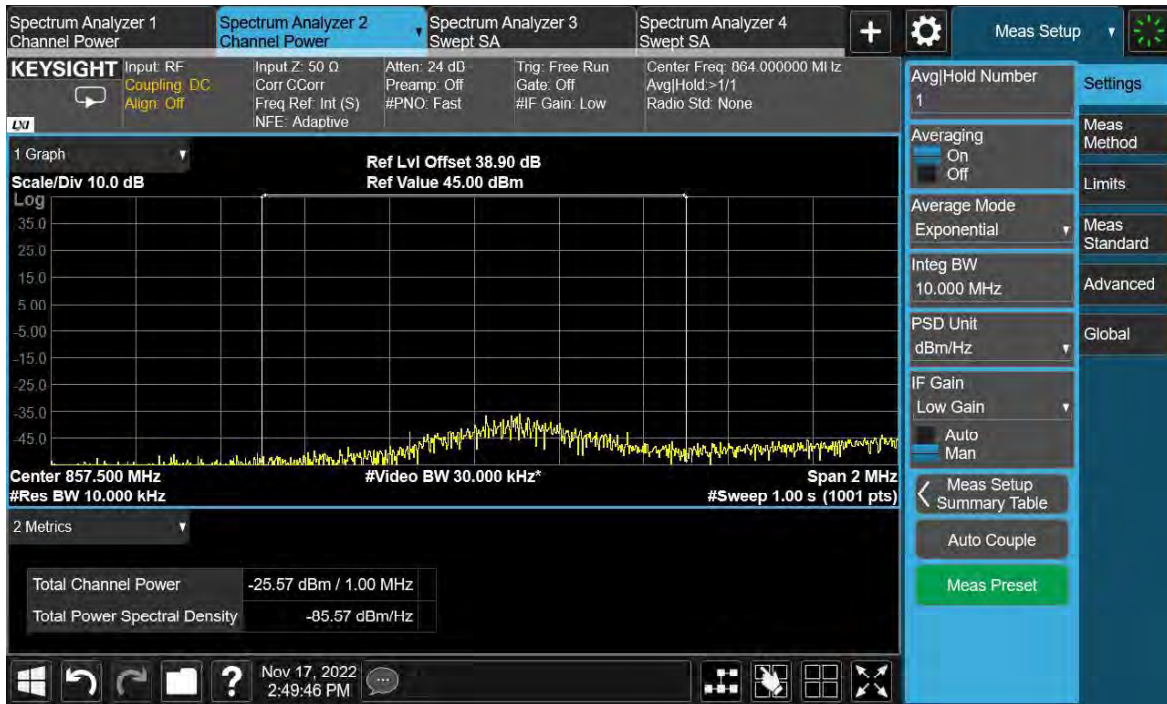
SA-2C-UE

Antenna Port	Channel Position	SA Modulation	SA Channel BW (MHz)	Limit (dBm)
D	B	QPSK	0.2	-19.02
D	T	QPSK	0.2	-19.02

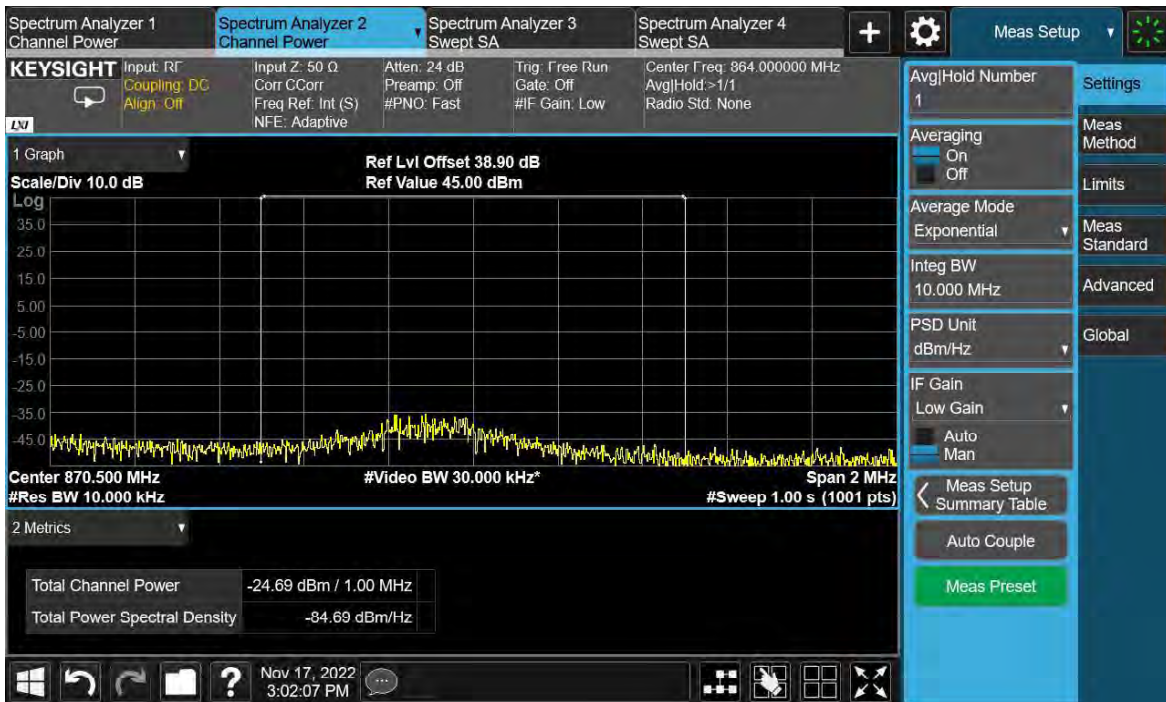
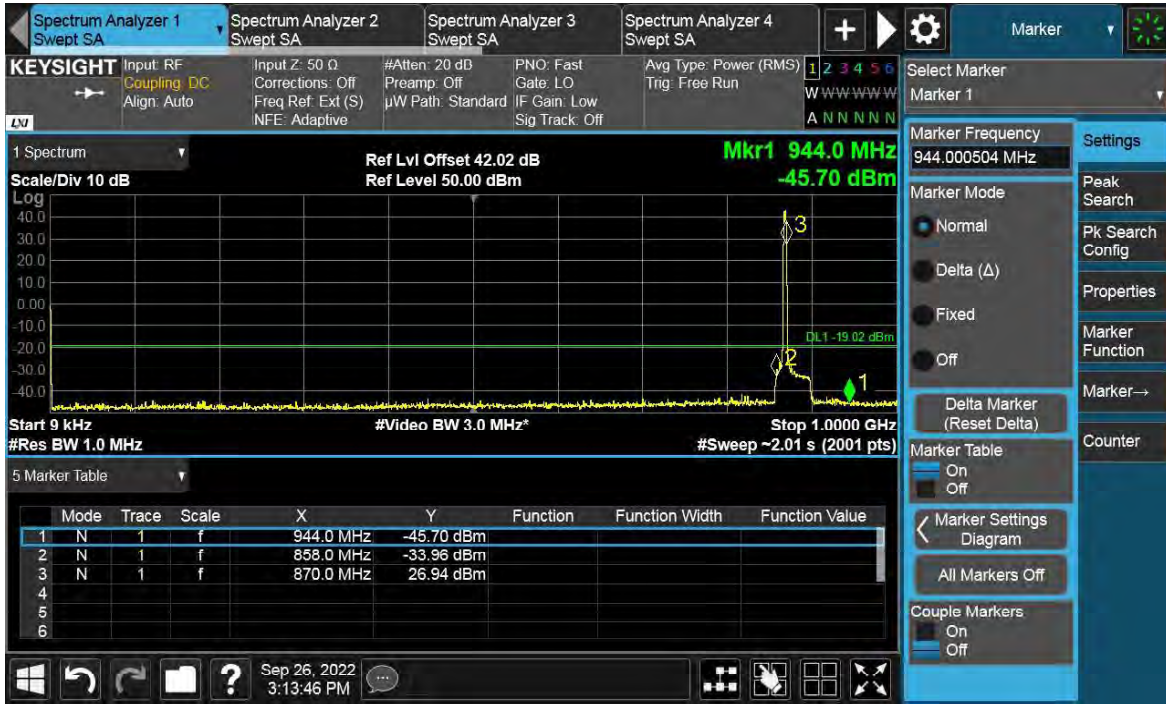
Channel Position B



TEST REPORT

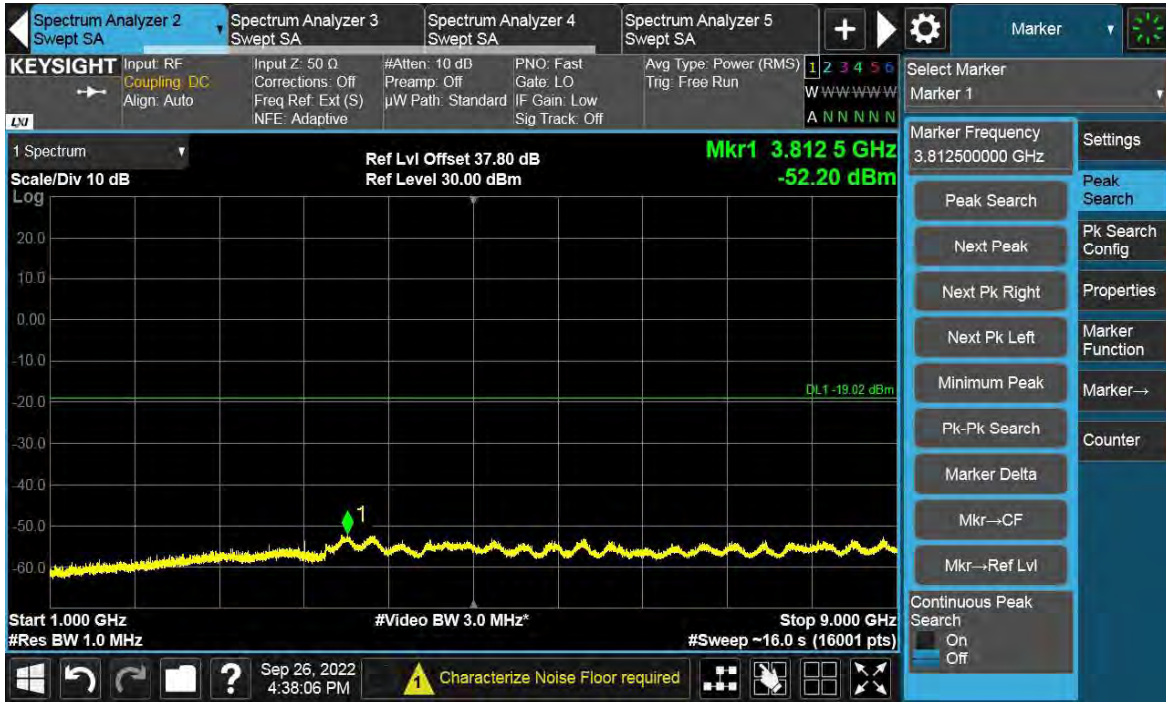


Channel Position T



Total Quality. Assured.

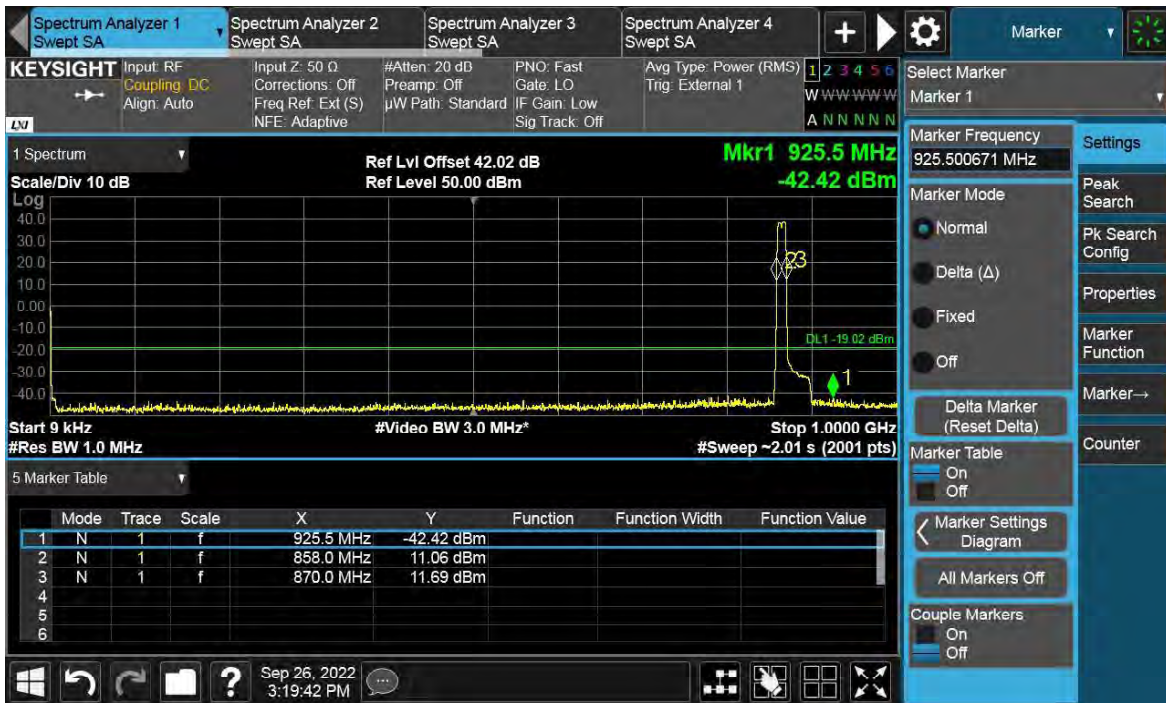
TEST REPORT



NR+LTE-MC-1-UE

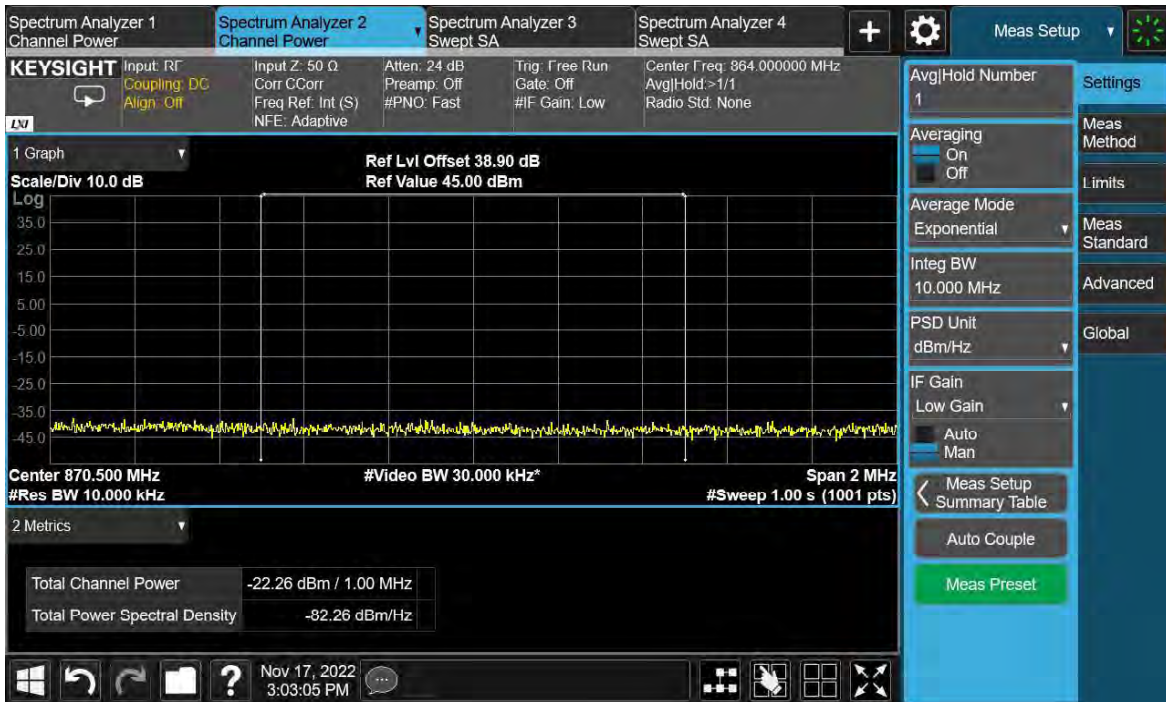
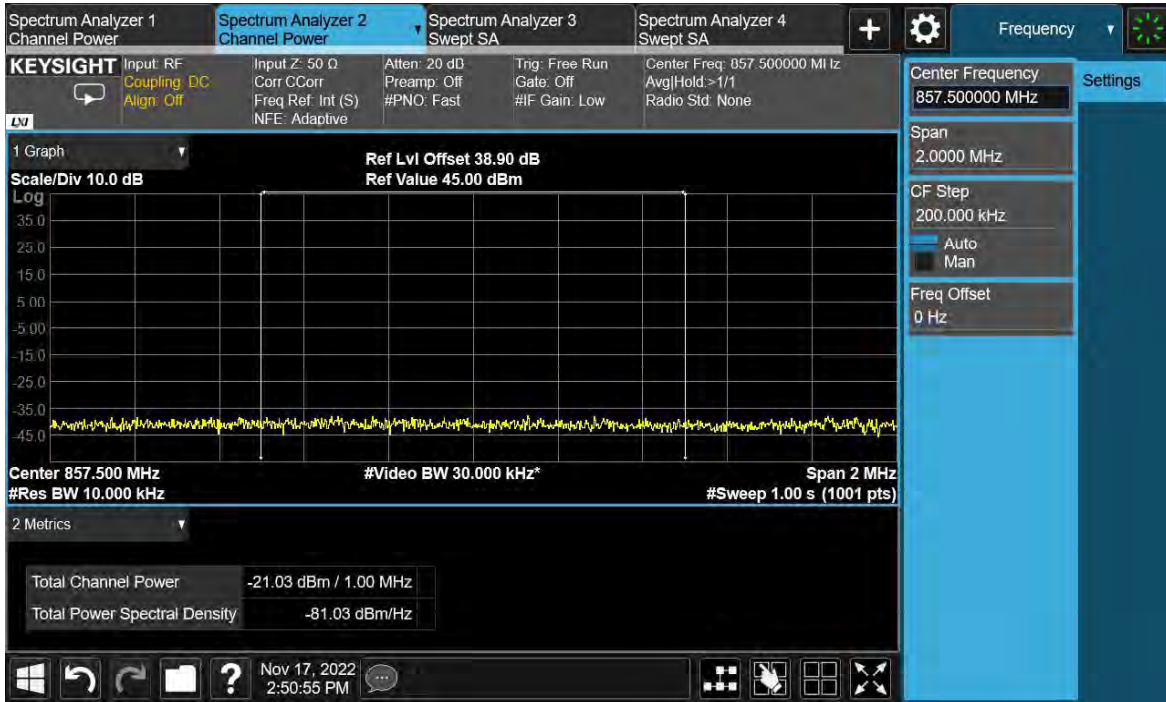
Antenna Port	Channel Position	NR & LTE Modulation	NR Carrier BW (MHz)	LTE Carrier BW (MHz)	Limit (dBm)
D	M	QPSK	5	5	-19.02

Channel Position M



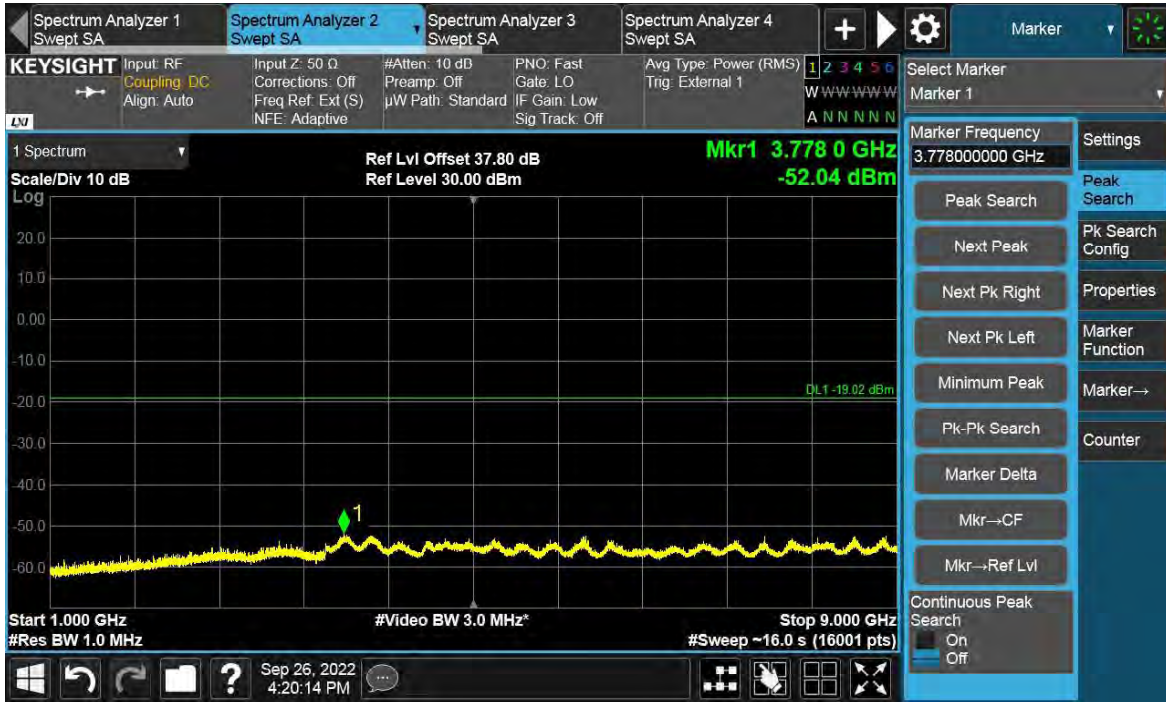
Total Quality. Assured.

TEST REPORT



Total Quality. Assured.

TEST REPORT



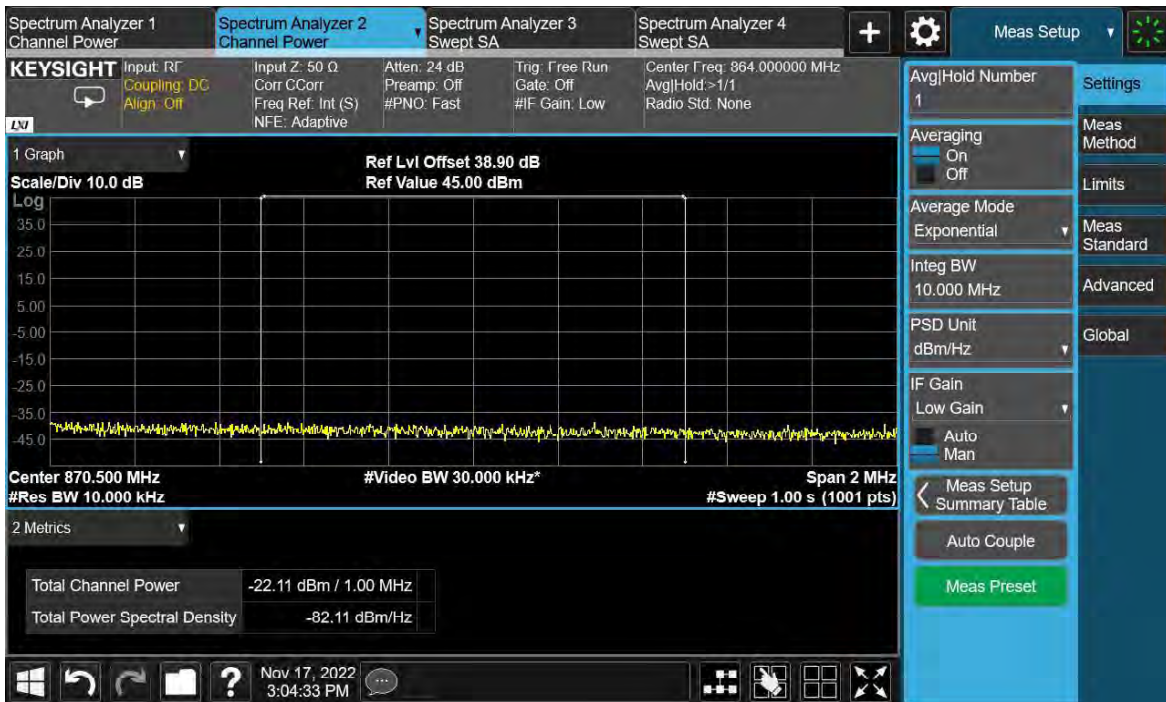
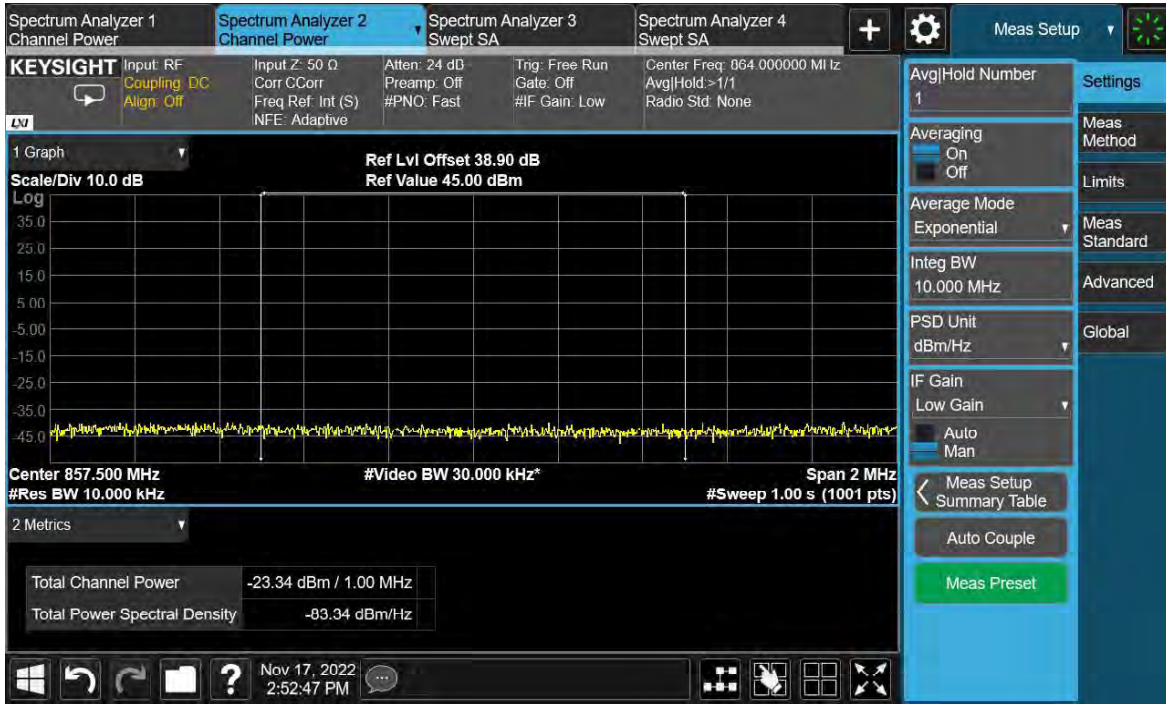
NR ESS IB-1C-UE

Antenna Port	Channel Position	NR ESS IB Modulation	NR ESS IB Channel BW (MHz)	Limit (dBm)
D	M	QPSK	10	-19.02

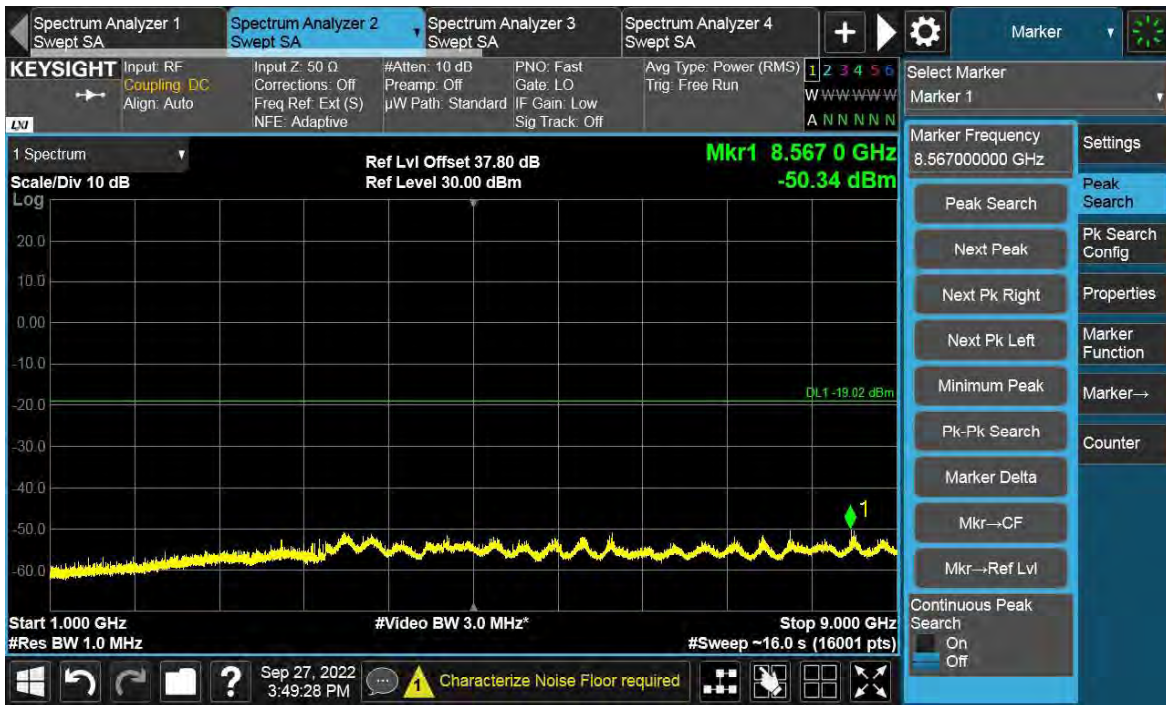
Channel Position M



TEST REPORT



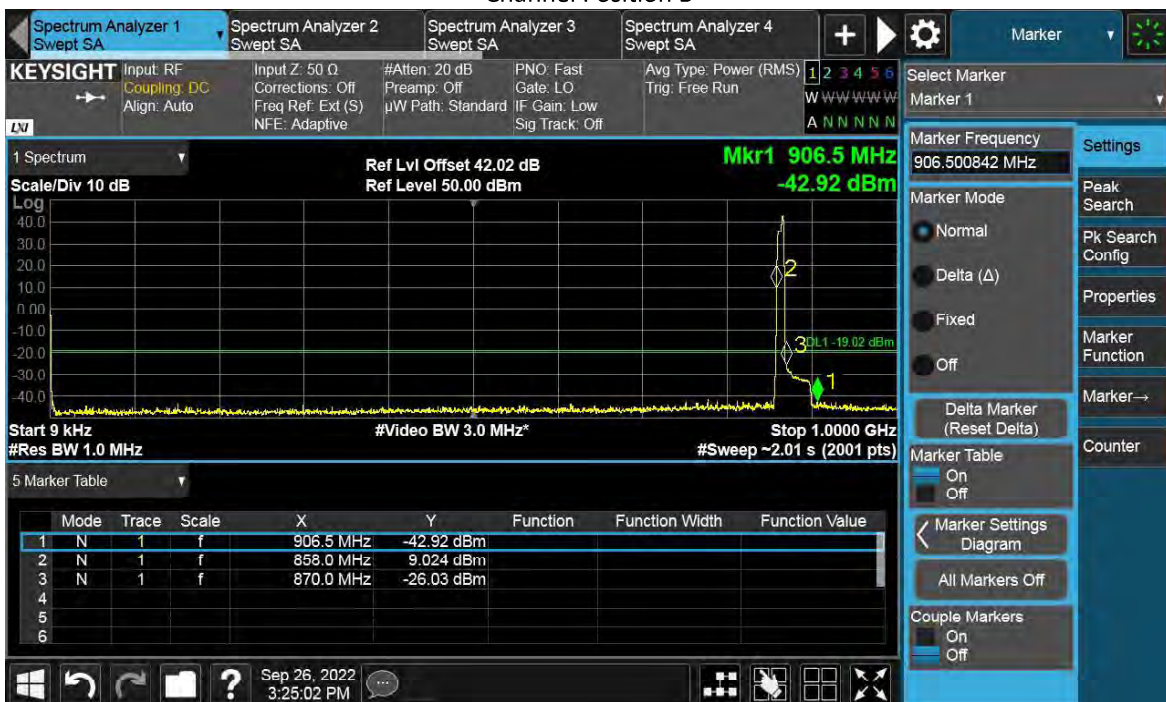
TEST REPORT



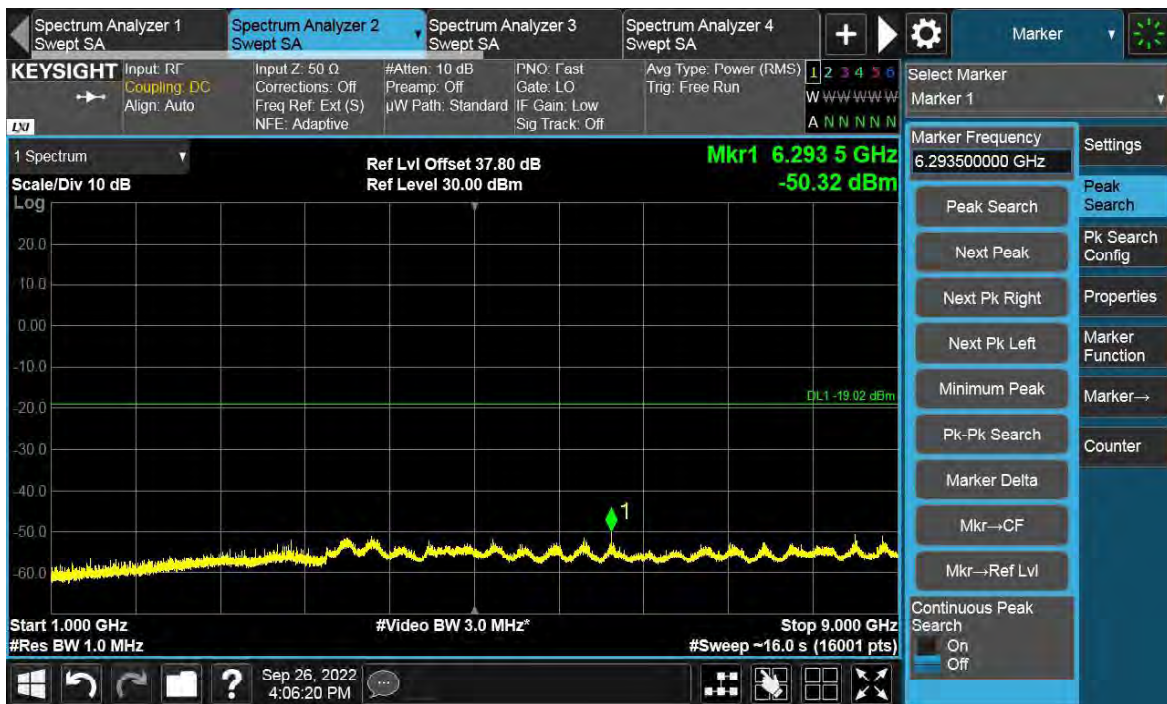
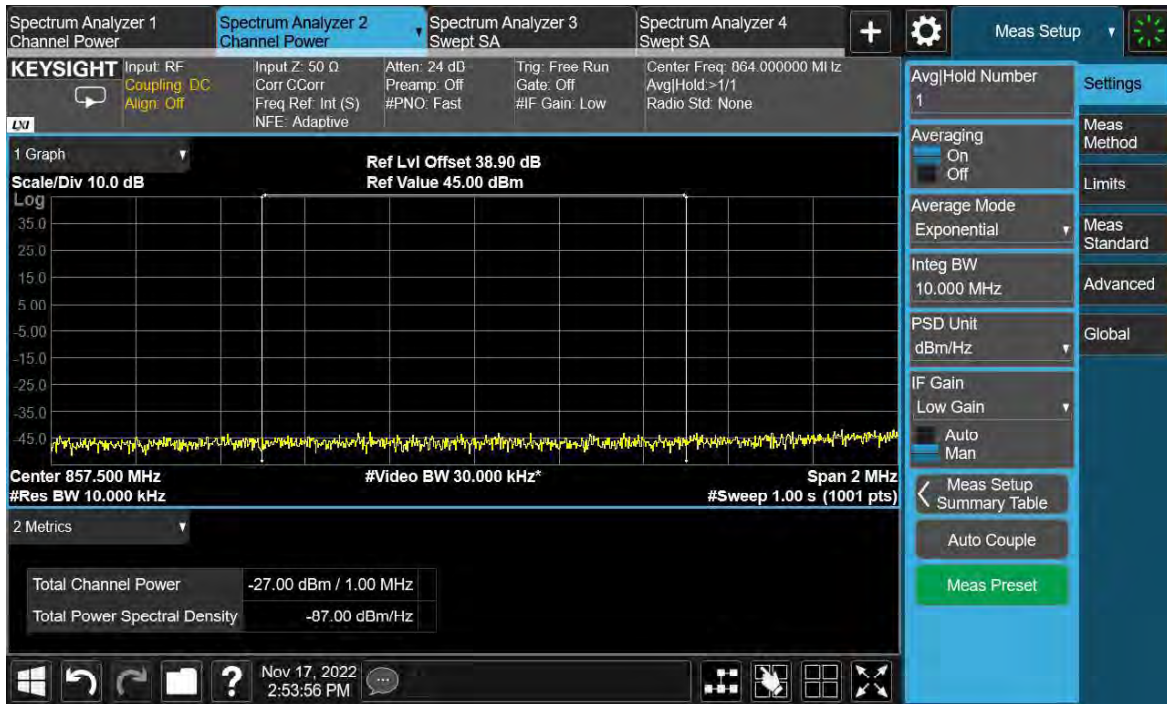
NR+LTE+SA-MC-1-UE

Antenna Port	Channel Position	NR/LTE/SA Modulation	NR Carrier BW (MHz)	LTE Carrier BW (MHz)	SA Carrier BW (MHz)	Limit (dBm)
D	B	QPSK	5	1.4	0.2	-19.02
D	T	QPSK	5	1.4	0.2	-19.02

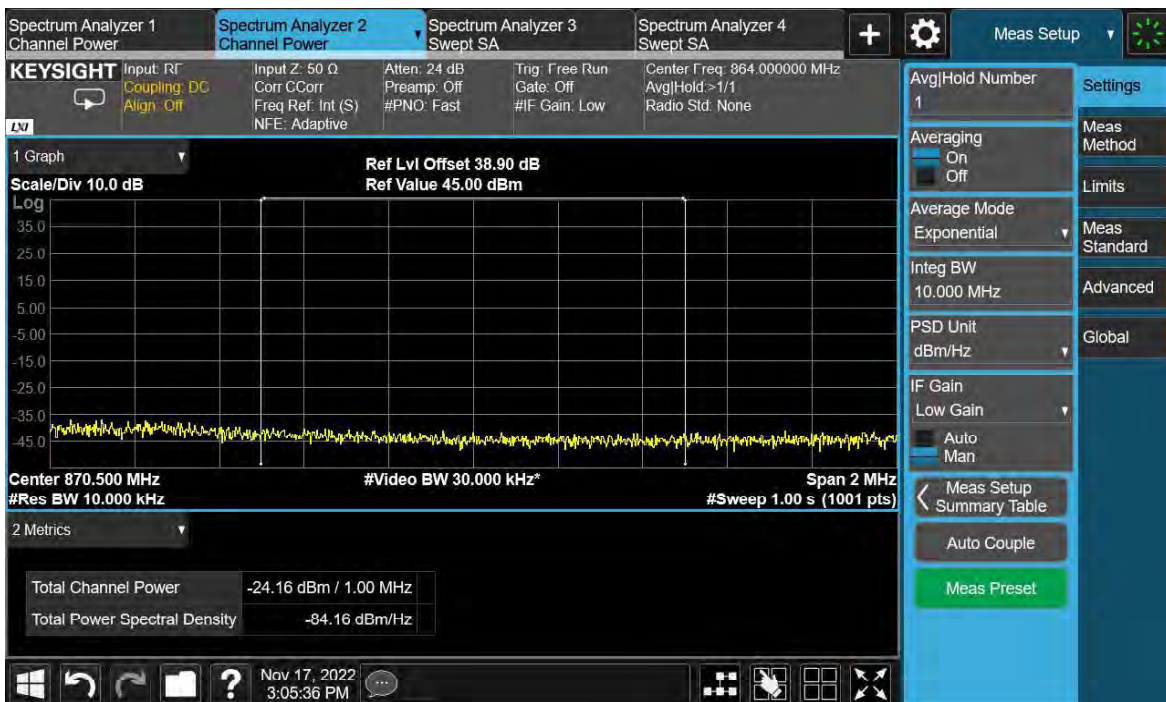
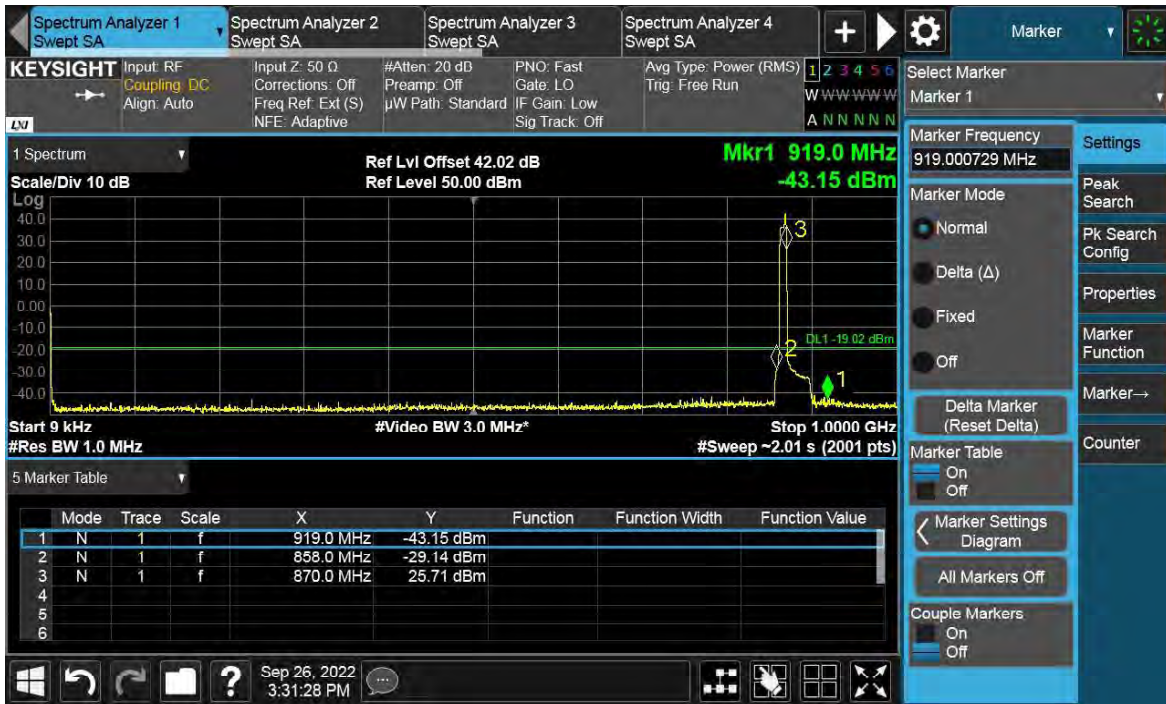
Channel Position B



TEST REPORT

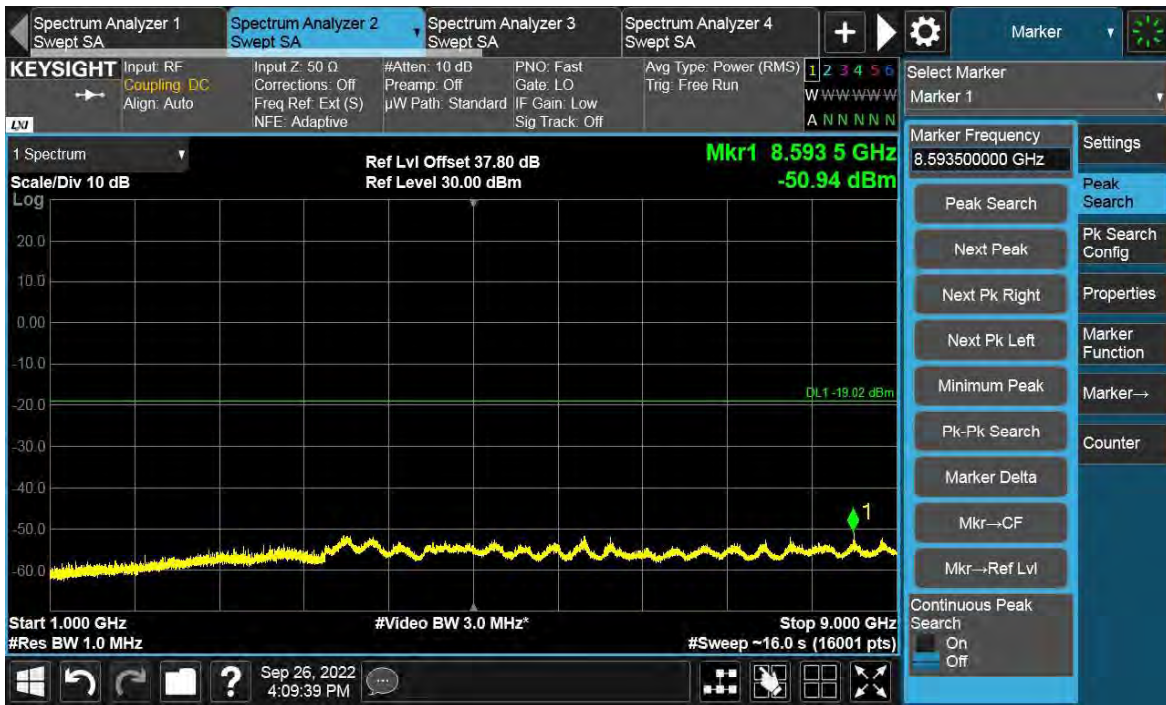


Channel Position T



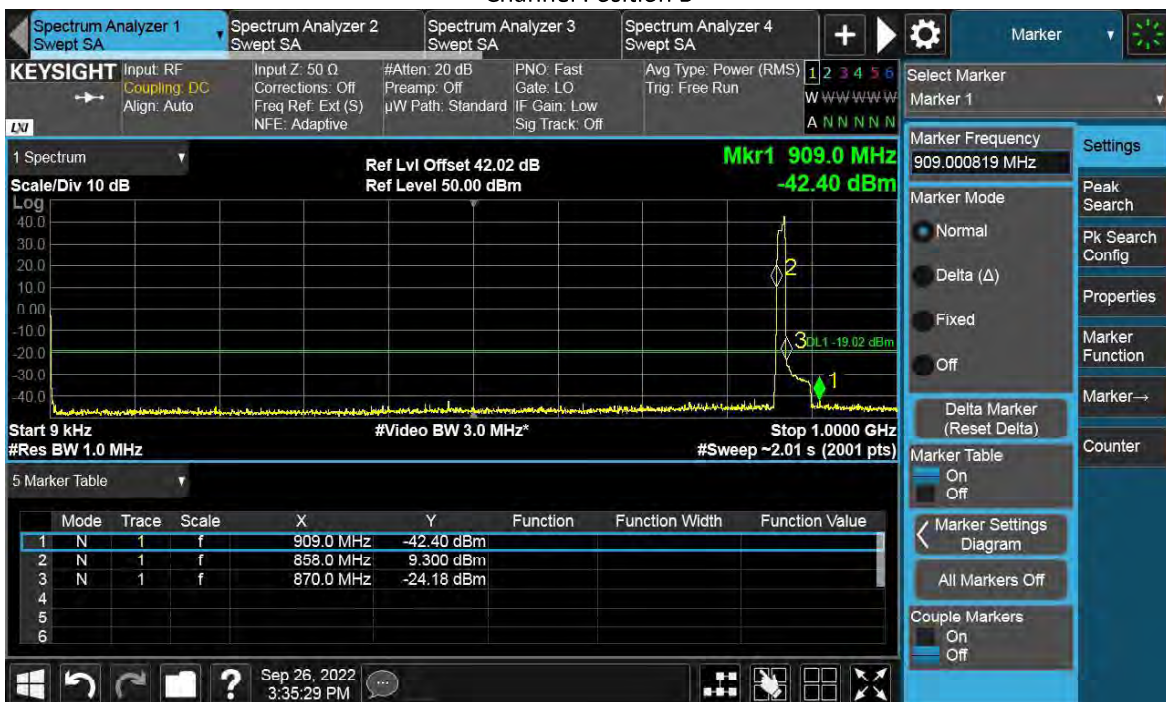
Total Quality. Assured.

TEST REPORT

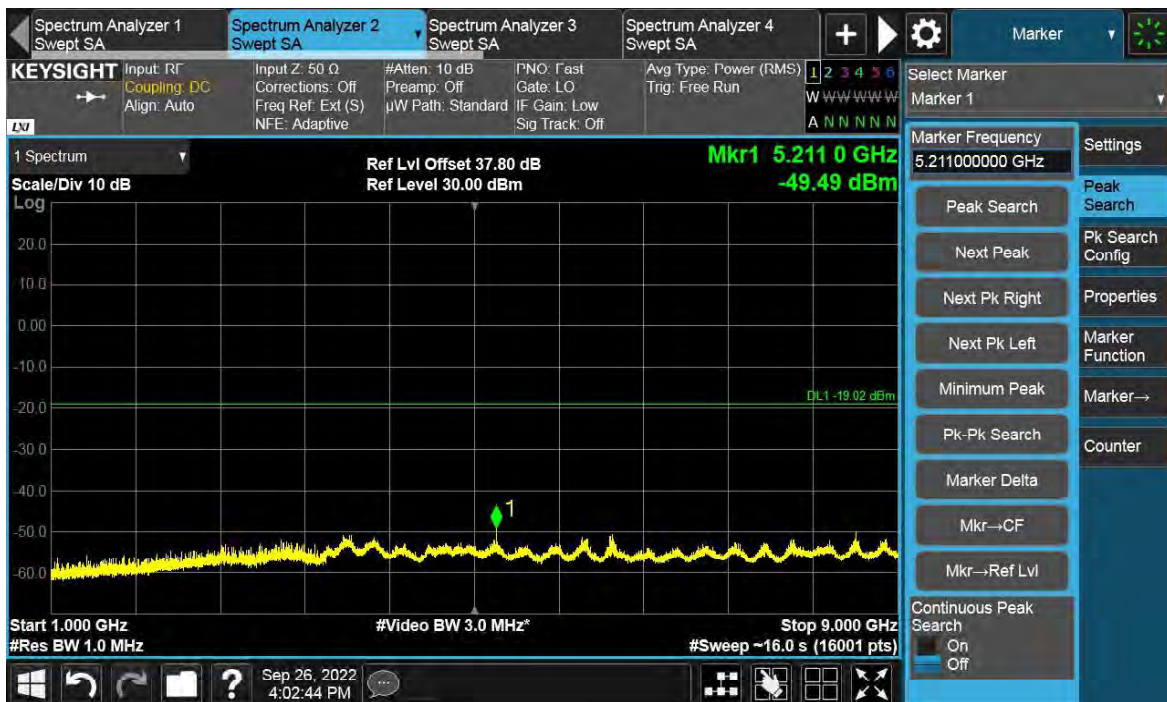
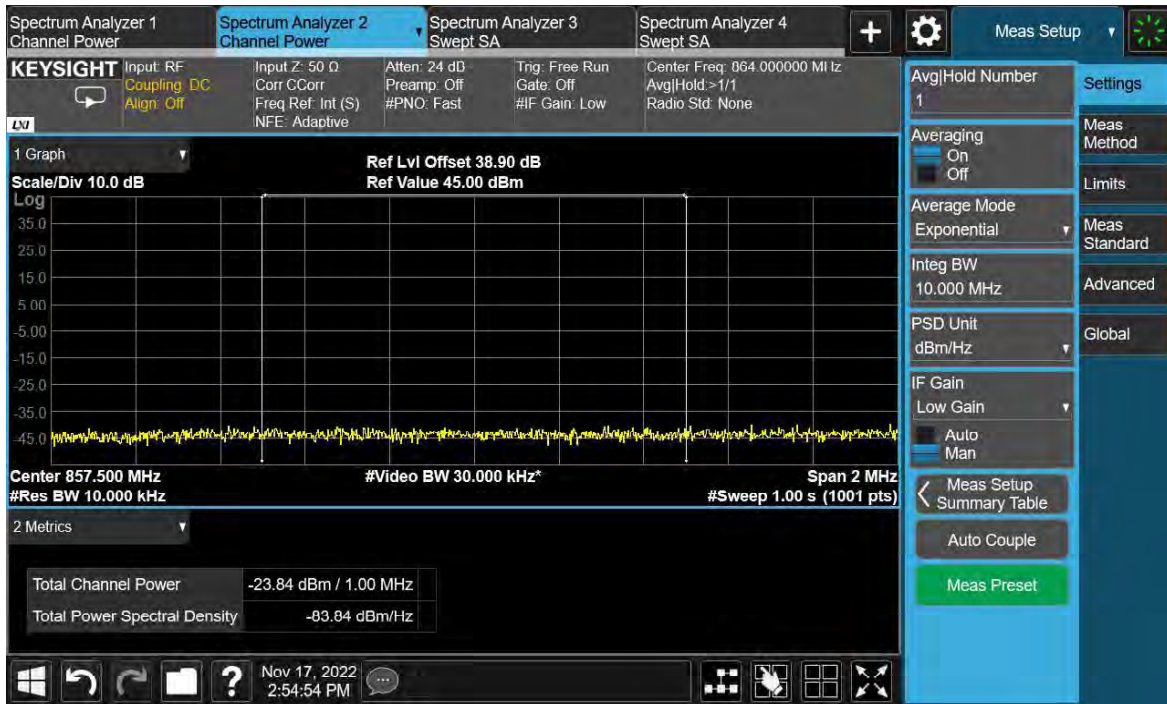


Antenna Port	Channel Position	NR/LTE/SA Modulation	NR Carrier BW (MHz)	LTE Carrier BW (MHz)	SA Carrier BW (MHz)	Limit (dBm)
D	B	QPSK	5	3	0.2	-19.02
D	T	QPSK	5	3	0.2	-19.02

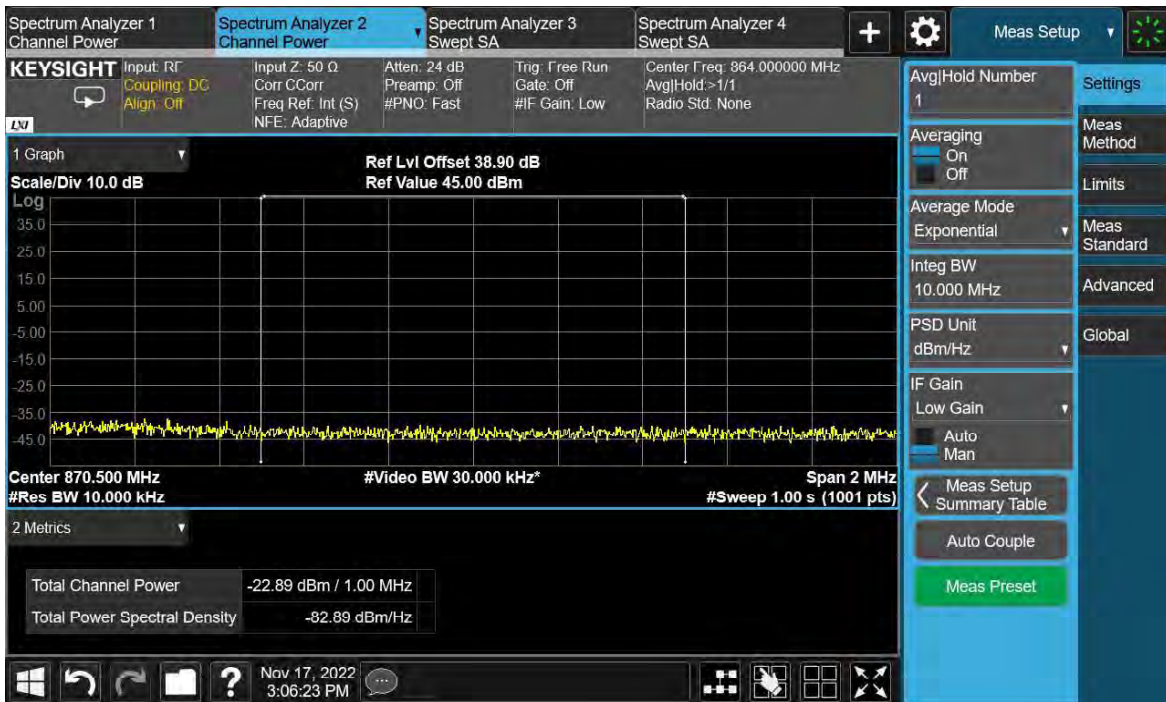
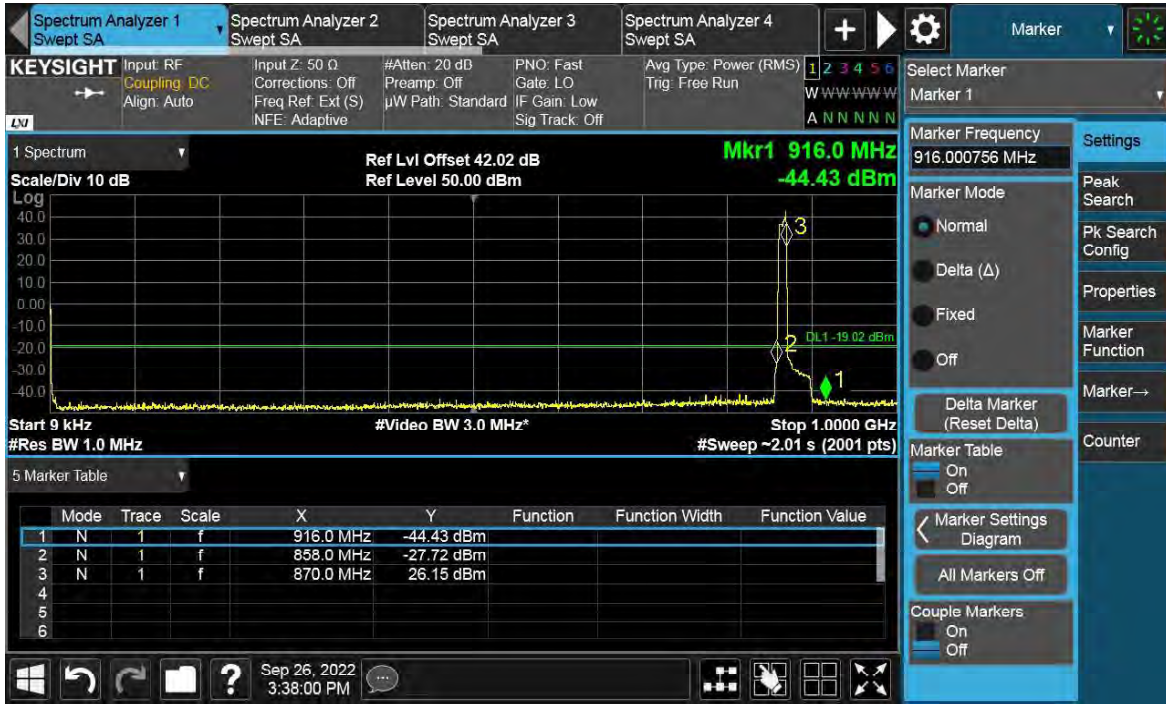
Channel Position B



TEST REPORT

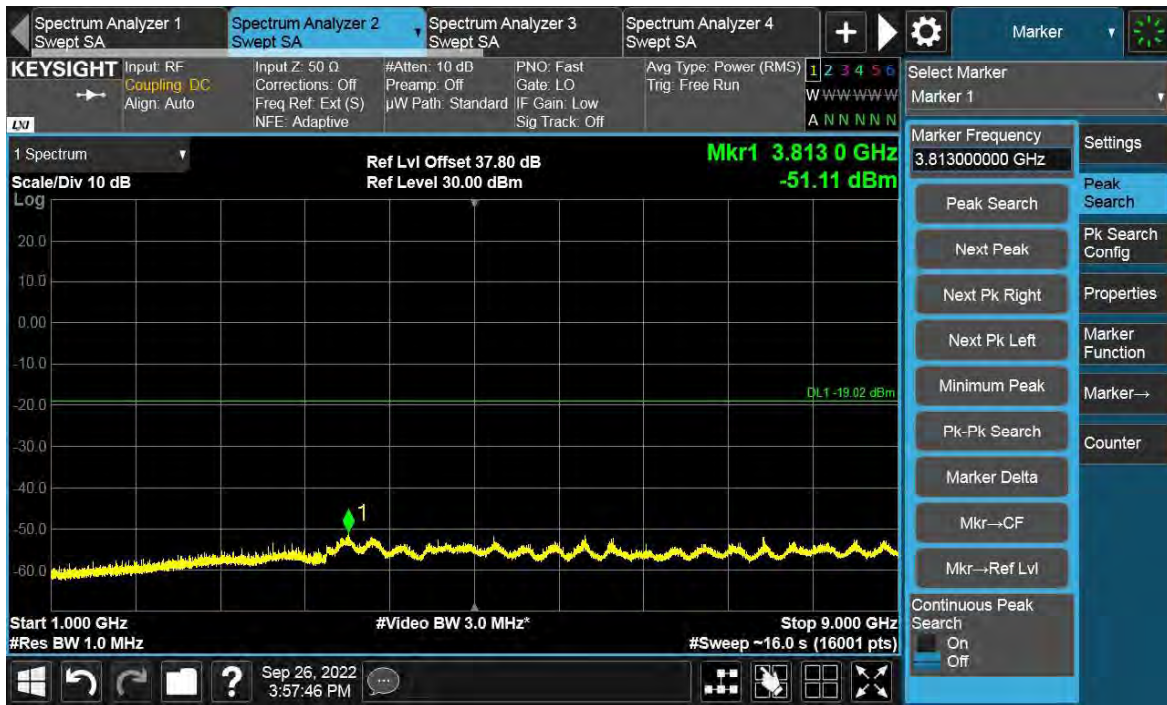


Channel Position T



Total Quality. Assured.

TEST REPORT



7 Radiated Unwanted Emission

Test result: Pass

7.1 Limit

The field strength of the carrier has been calculated assuming that the power is to be fed to a half-wave tuned dipoles as per 2.1053 (a).

$$E(V/m) = (30 \times G_i \times P_o)^{0.5} / d$$

Where

G_i is the antenna gain of ideal half-wave dipoles,

P_o is the power out of the transceiver in W,

d is the measurement distance in meter.

As per FCC Part 27, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

Therefore, the limit at 3m measurement distance is:

$$E(V/m) = 84.4 \text{ dB}\mu\text{V/m}$$

These limits have been used to determine Pass or Fail for the harmonics measured and detailed in the following results.

7.2 Measurement Procedure

This measurement is carried out in semi-anechoic chamber.

A preliminary profile of the Spurious Radiated Emissions was obtained by operating the EUT on a remotely controlled turntable within the chamber. Measurements of emissions from the EUT were obtained with the measurement antenna in both horizontal and vertical polarizations.

Emissions identified within the range 30MHz to 9GHz were then formally measured using a peak detector as the worst case.

The limits for outside a licensee's frequency band(s) of operation the power of the spurious emissions have been calculated, as shown below using the following formula:

$$\text{Field Strength of Carrier} - (43 + 10\log(P)) \text{ dB}$$

Where:

Field Strength is measured in $\text{dB}\mu\text{V/m}$

P is measured Transmitter Power in Watts

The EUT was measured with the antenna height varied between 1 and 4 m with the turntable rotated between 0 and 360 degrees. The emission of any outside a licensee's frequencies within 20dB of the limit were measured with the substitution method used according to the standard.

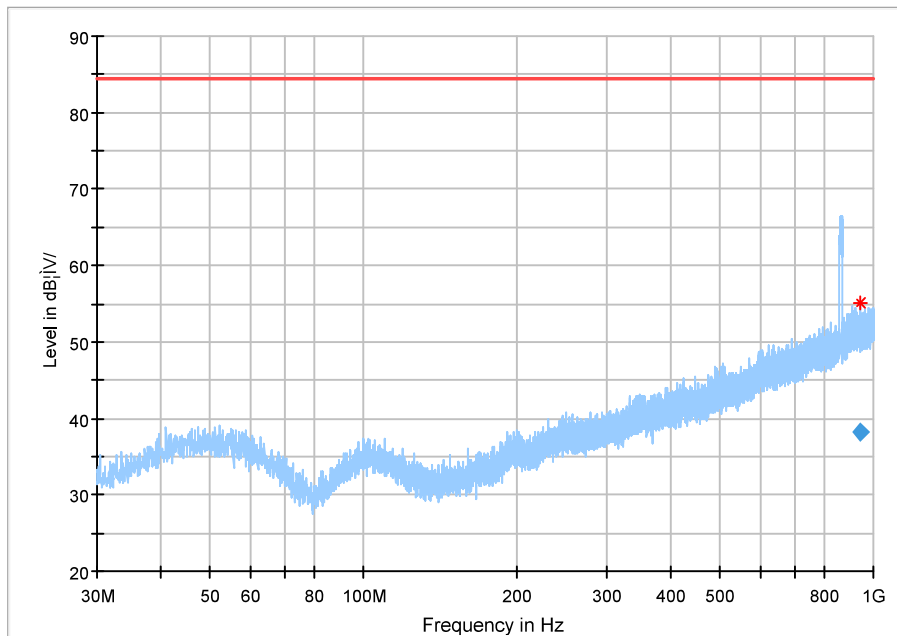
The measurements were performed at a 3m distance unless otherwise stated.

7.3 Measurement result

Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
NR-1C-UE	M	1 Carrier	10MHz	QPSK

30-1000MHz, Horizontal

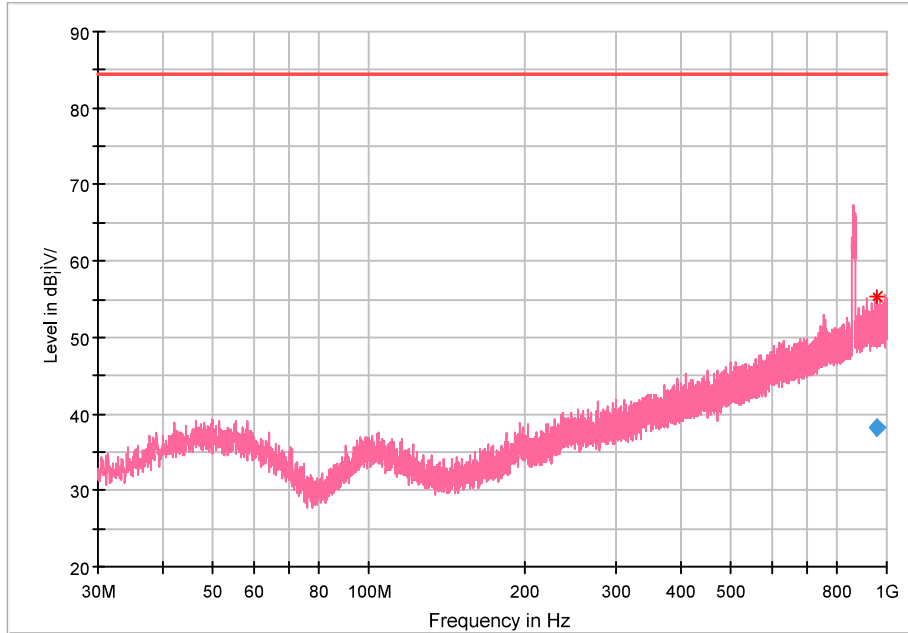
Full Spectrum



Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
939.229500	38.20	84.40	46.20	124.8	H	150.0	27.9

30-1000MHz, Vertical

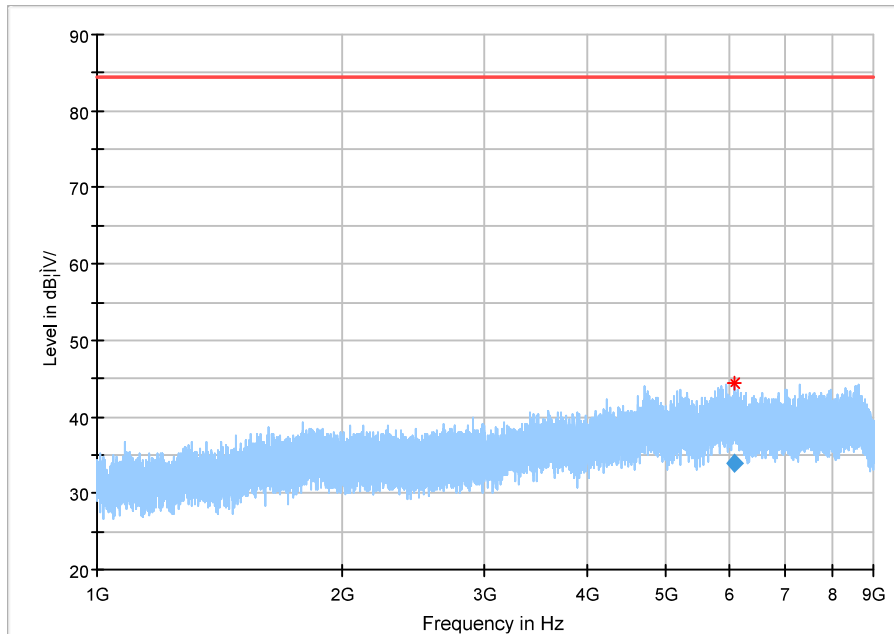
Full Spectrum



Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
956.398500	38.28	84.40	46.12	100.7	V	1.0	28.0

1-9GHz, Horizontal

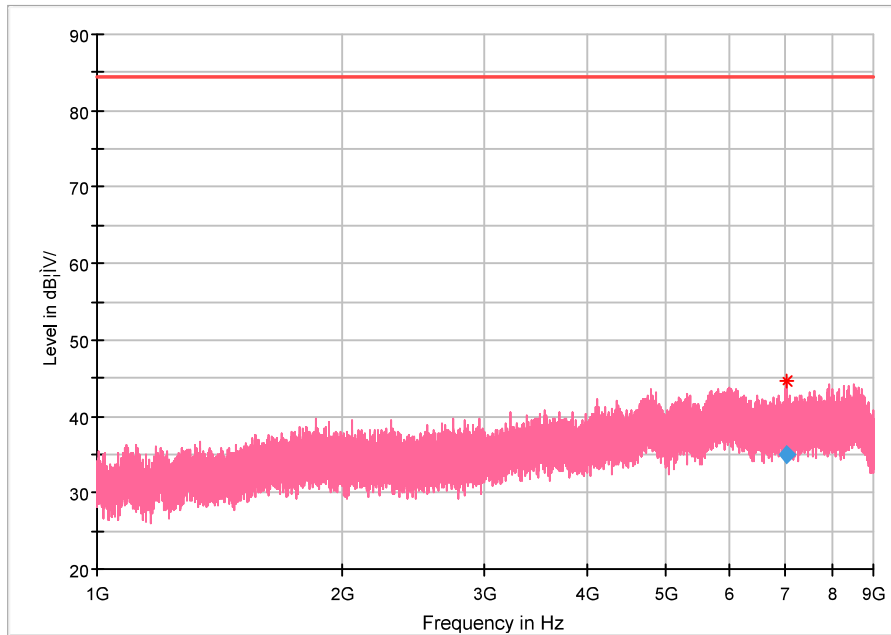
Full Spectrum



TEST REPORT

Frequency (MHz)	RMS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6062.200000	34.01	84.40	50.39	124.9	H	260.0	-20.4

1-9GHz, Vertical
Full Spectrum

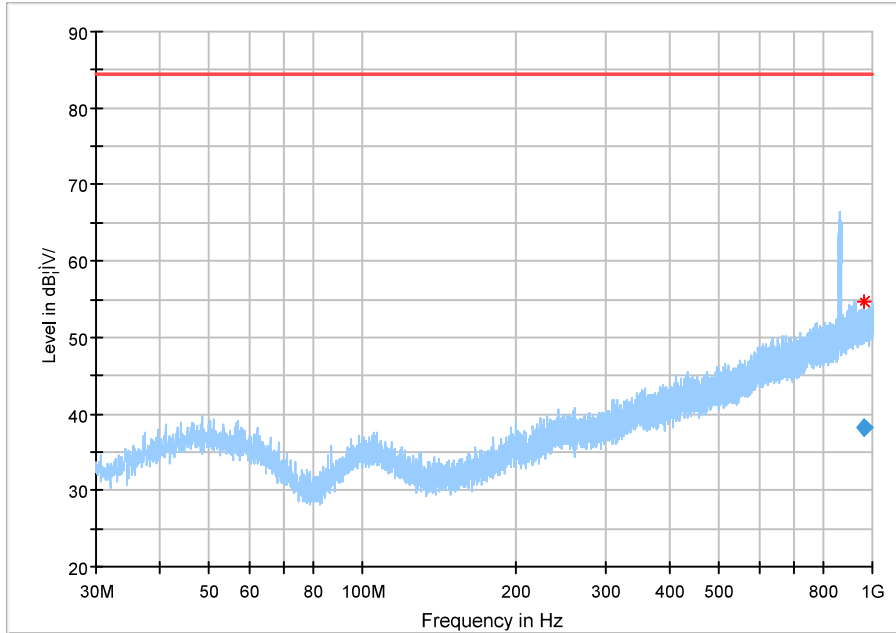


Frequency (MHz)	RMS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7034.400000	34.99	84.40	49.41	124.9	V	1.0	-21.3

Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
NR-2C-UE	M	2 Carrier	5MHz	QPSK

30-1000MHz, Horizontal

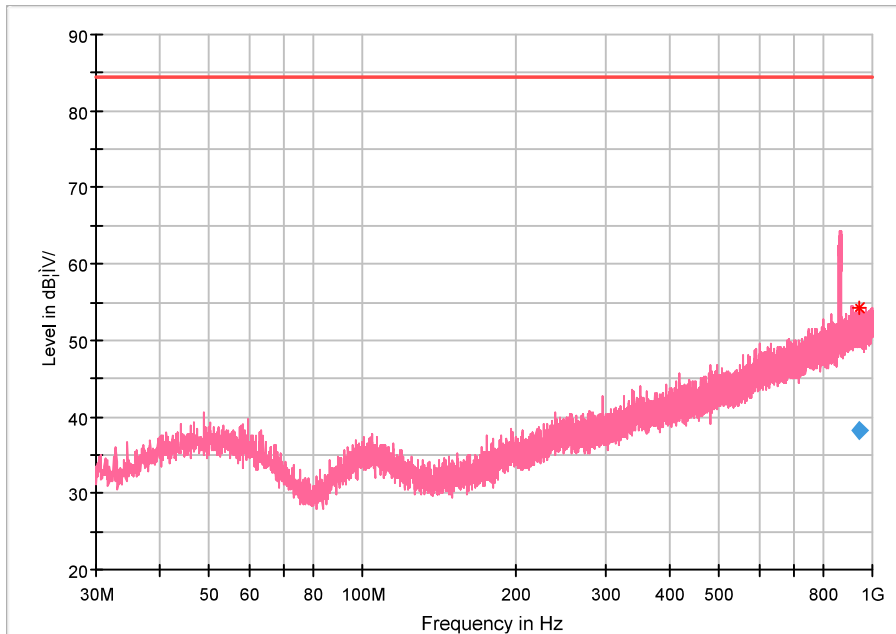
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
966.971500	38.29	84.40	46.11	106.8	H	59.0	28.1

30-1000MHz, Vertical

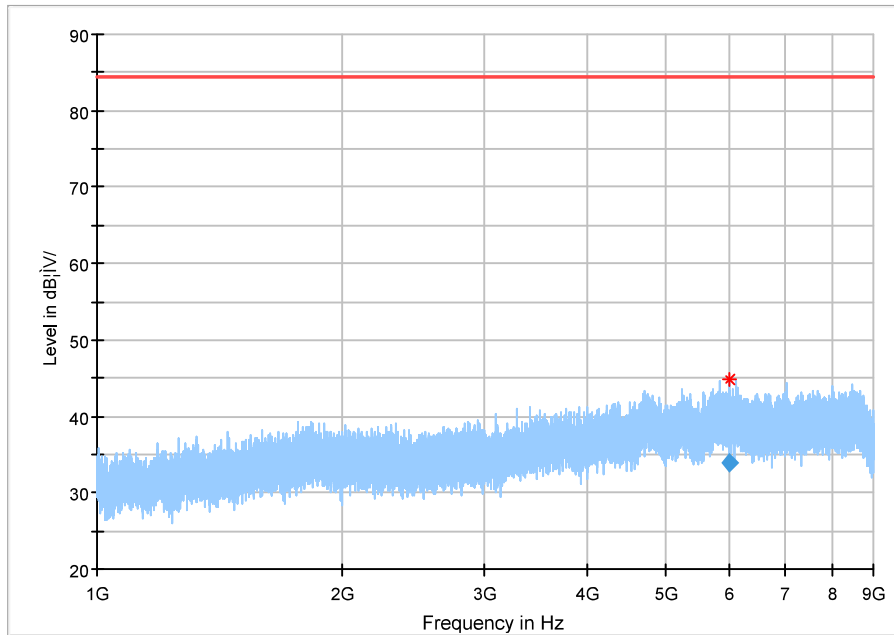
Full Spectrum



TEST REPORT

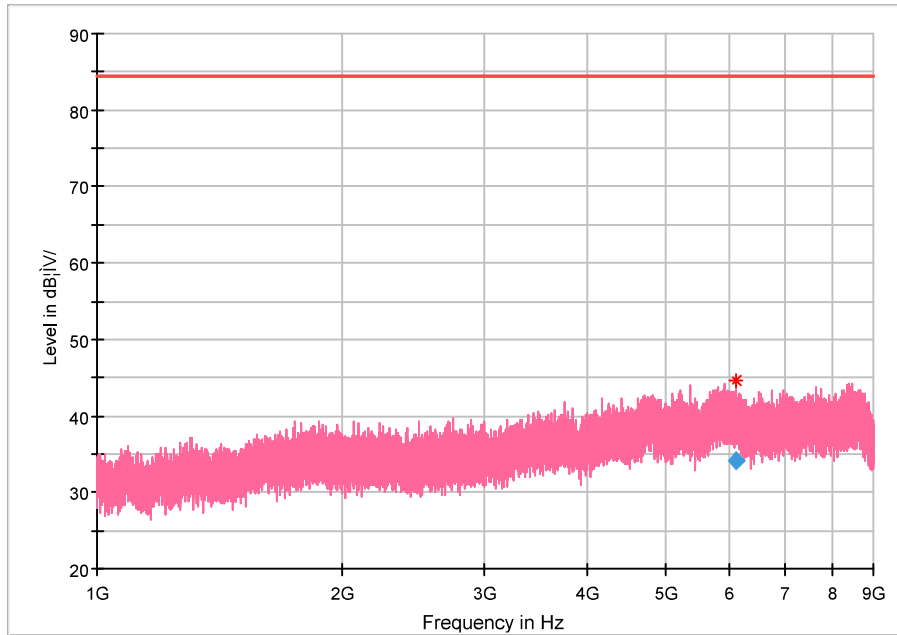
Frequency (MHz)	RMS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
939.617500	38.19	84.40	46.21	99.8	V	52.0	27.9

1-9GHz, Horizontal
Full Spectrum



Frequency (MHz)	RMS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
5990.400000	33.95	84.40	50.45	107.4	H	307.0	-20.5

1-9GHz, Vertical
Full Spectrum

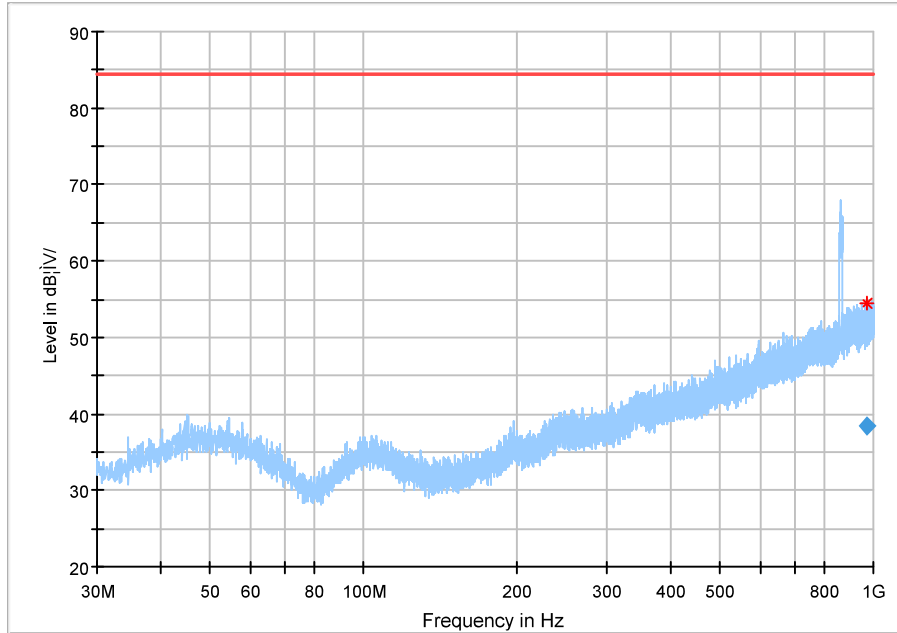


Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6103.600000	34.15	84.40	50.25	124.9	V	259.0	-20.4

Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
LTE-1C-UE	M	1 Carrier	5MHz	QPSK

30-1000MHz, Horizontal

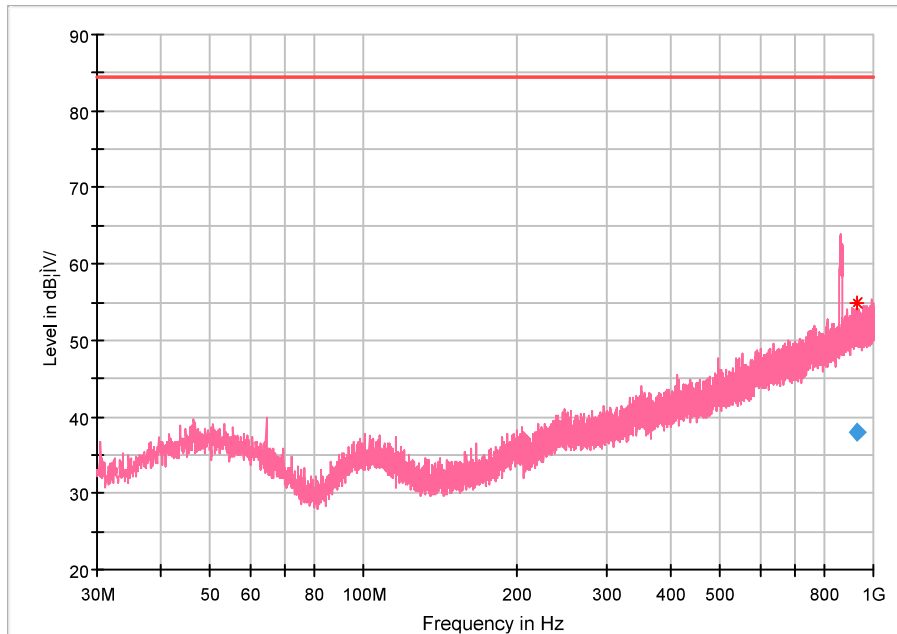
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
972.694500	38.31	84.40	46.09	124.8	H	44.0	28.0

30-1000MHz, Vertical

Full Spectrum

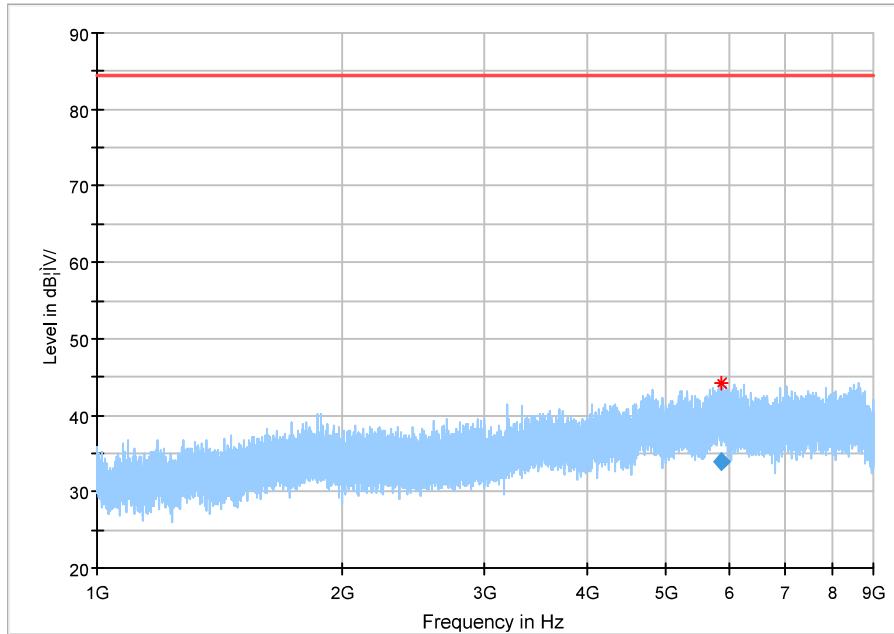


TEST REPORT

Frequency (MHz)	RMS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
931.954500	38.06	84.40	46.34	124.8	V	-18.0	27.8

1-9GHz, Horizontal

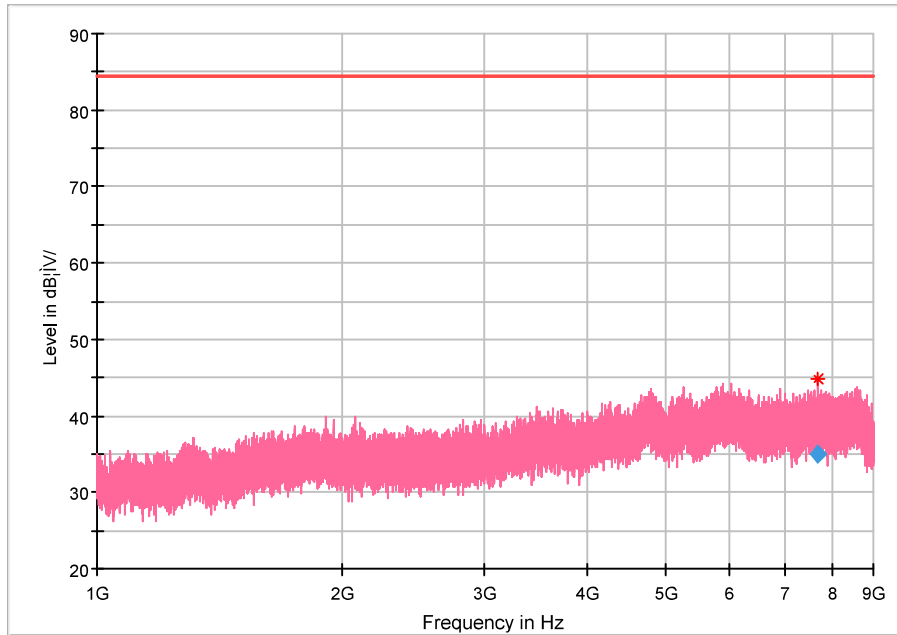
Full Spectrum



Frequency (MHz)	RMS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
5840.400000	34.01	84.40	50.39	124.9	H	1.0	-20.1

1-9GHz, Vertical

Full Spectrum

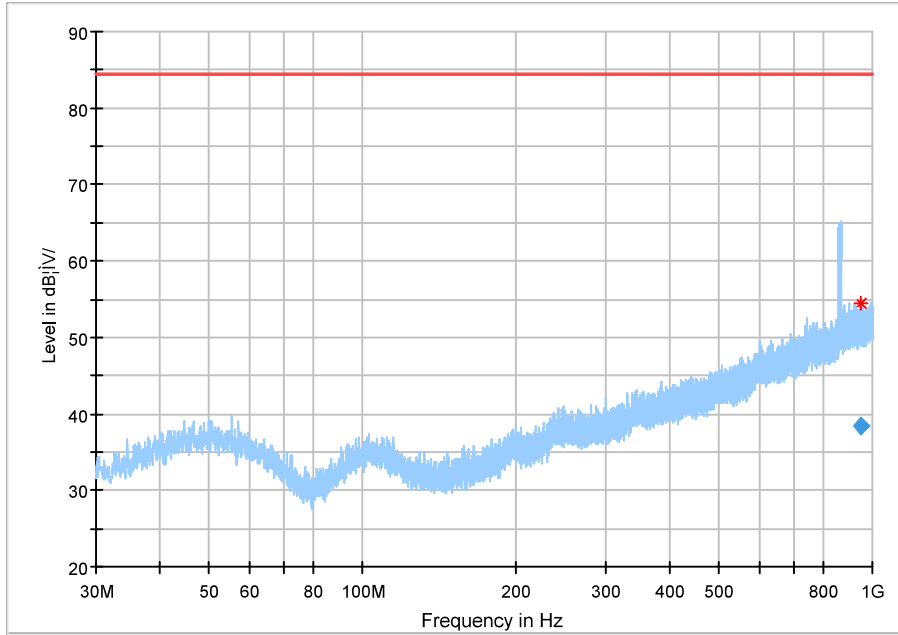


Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7708.000000	34.97	84.40	49.43	107.9	V	257.0	-21.0

Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
LTE-2C-UE	M	2 Carrier	5MHz	QPSK

30-1000MHz, Horizontal

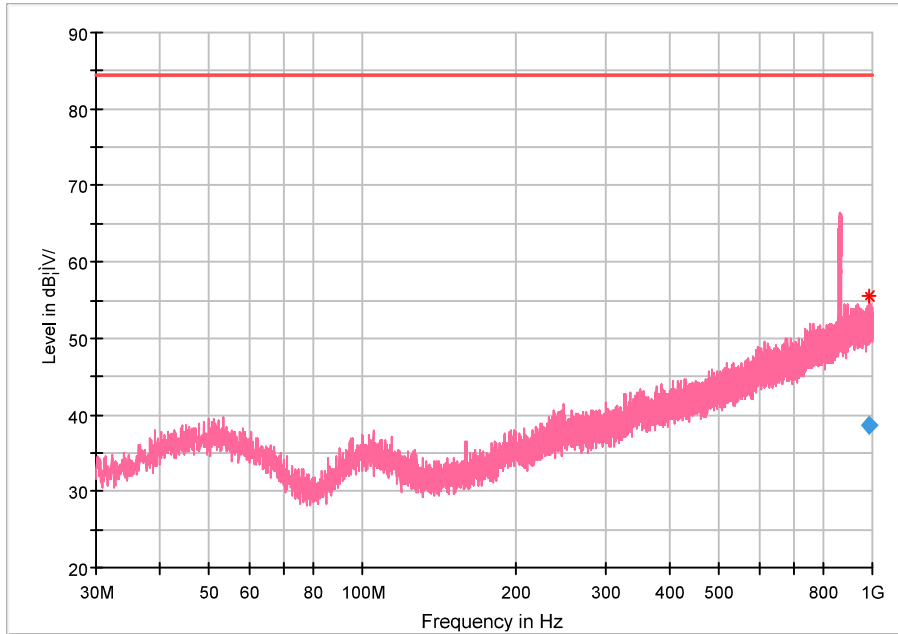
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
946.892500	38.37	84.40	46.03	124.8	H	108.0	28.0

30-1000MHz, Vertical

Full Spectrum

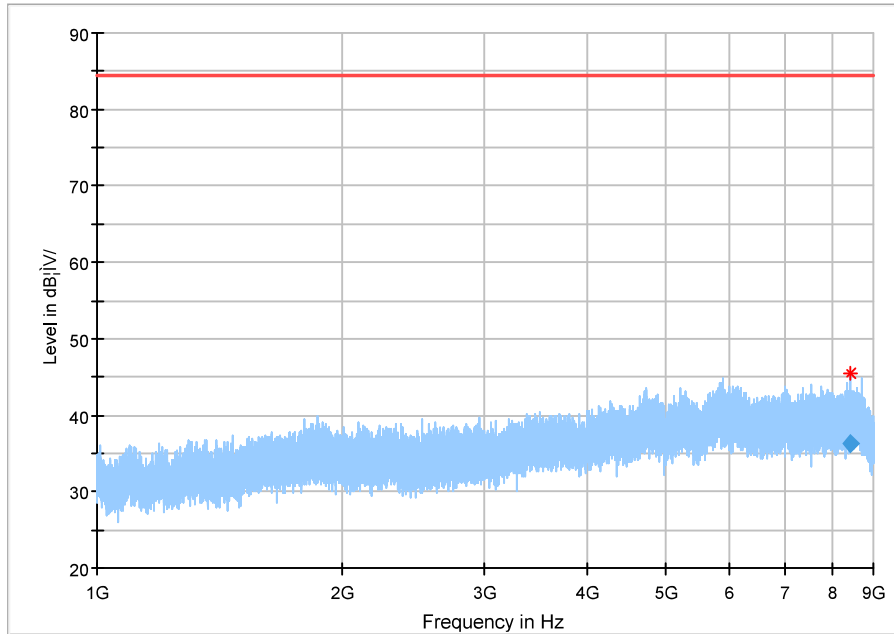


TEST REPORT

Frequency (MHz)	RMS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
983.170500	38.57	84.40	45.83	118.2	V	-20.0	28.3

1-9GHz, Horizontal

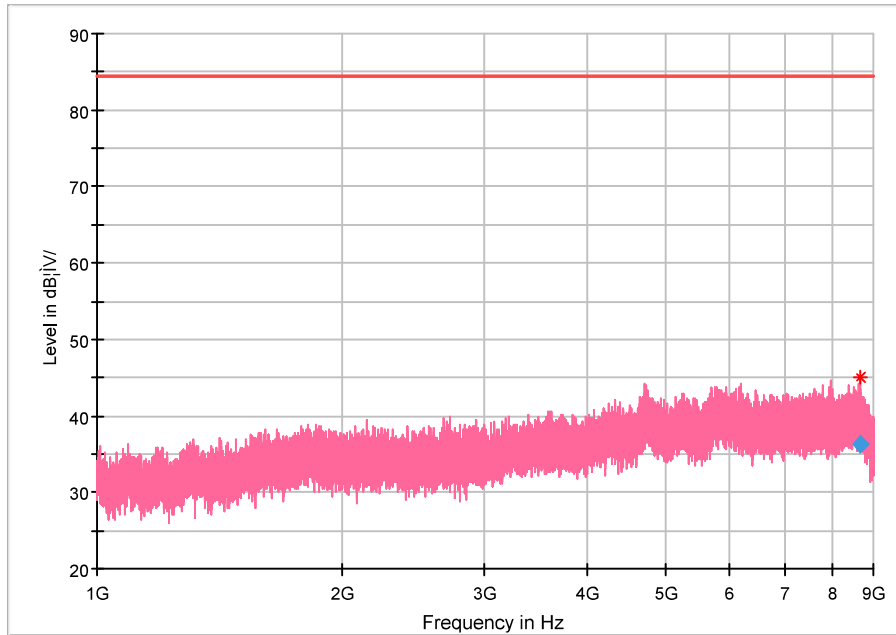
Full Spectrum



Frequency (MHz)	RMS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8440.800000	36.18	84.40	48.22	124.9	H	259.0	-20.2

1-9GHz, Vertical

Full Spectrum



Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8683.800000	36.30	84.40	48.10	99.9	V	298.0	-20.0

Configuration	Channel Position	Carrier	Carrier Bandwidth	Modulation
LTE-6C-UE	B	6 Carrier	1.4MHz	QPSK
LTE-6C-UE	T	6 Carrier	1.4MHz	QPSK