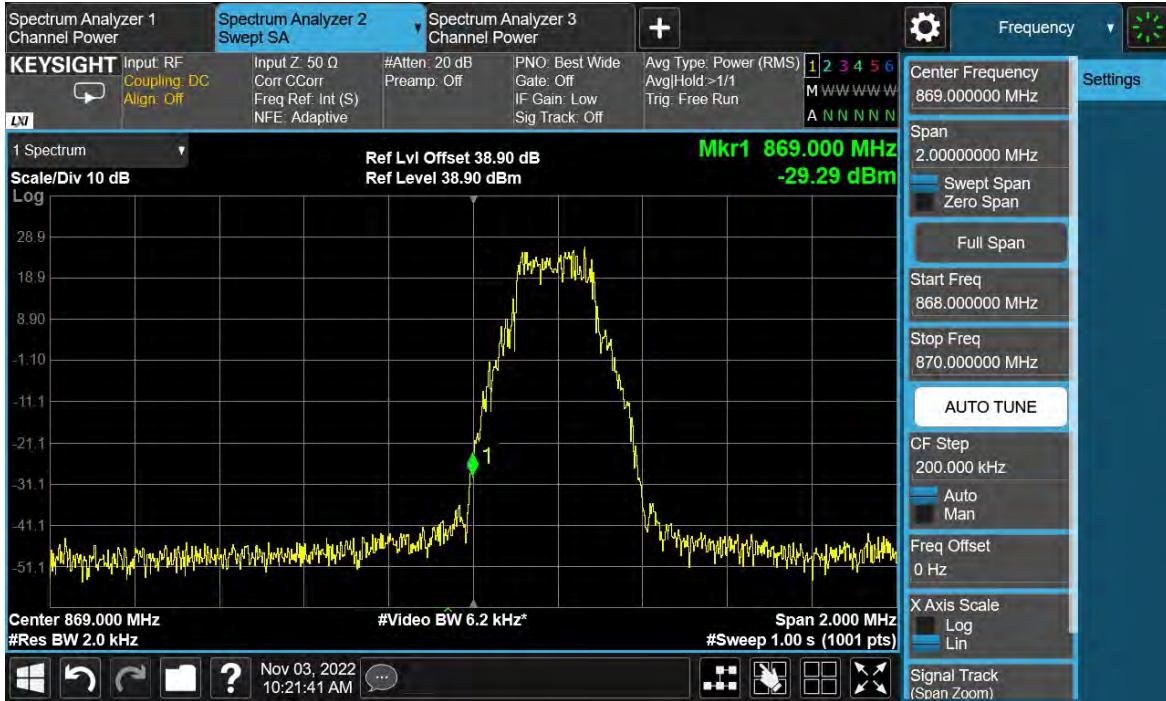


TEST REPORT

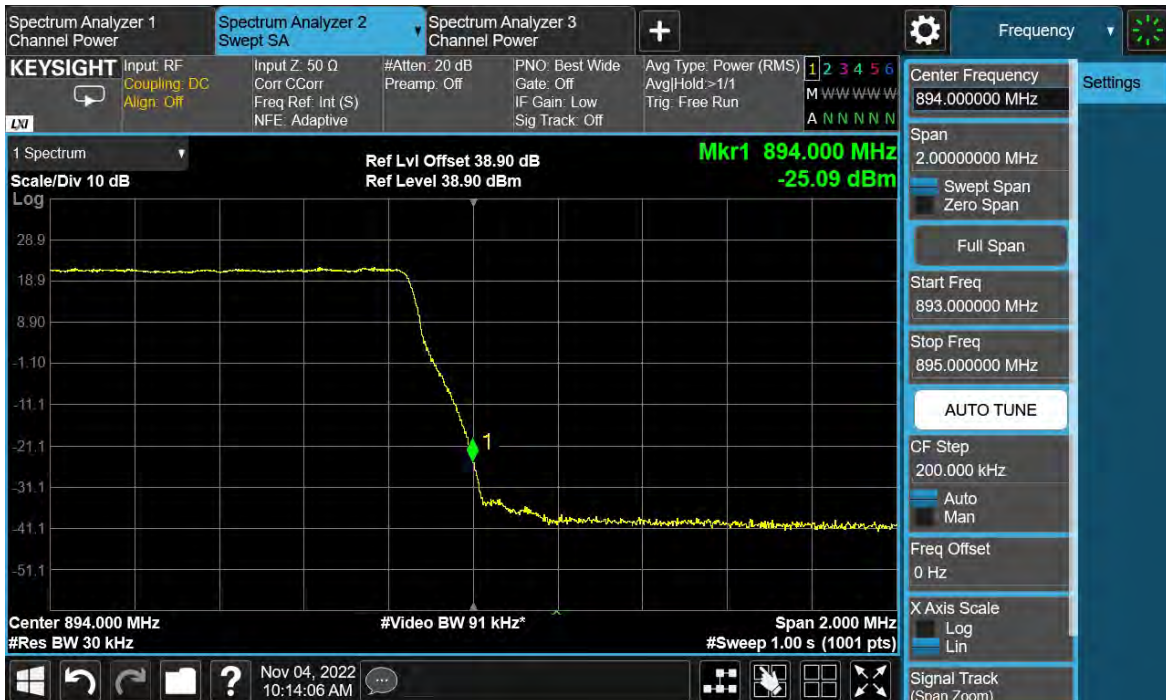
SA+L+W-MC-2-UE

Antenna Port	Channel Position	SA & L Modulation	SA Carrier BW (MHz)	L Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	0.2	3	2	-19.02
D	T	QPSK	0.2	3	30	-19.02

Channel Position B



Channel Position T



TEST REPORT

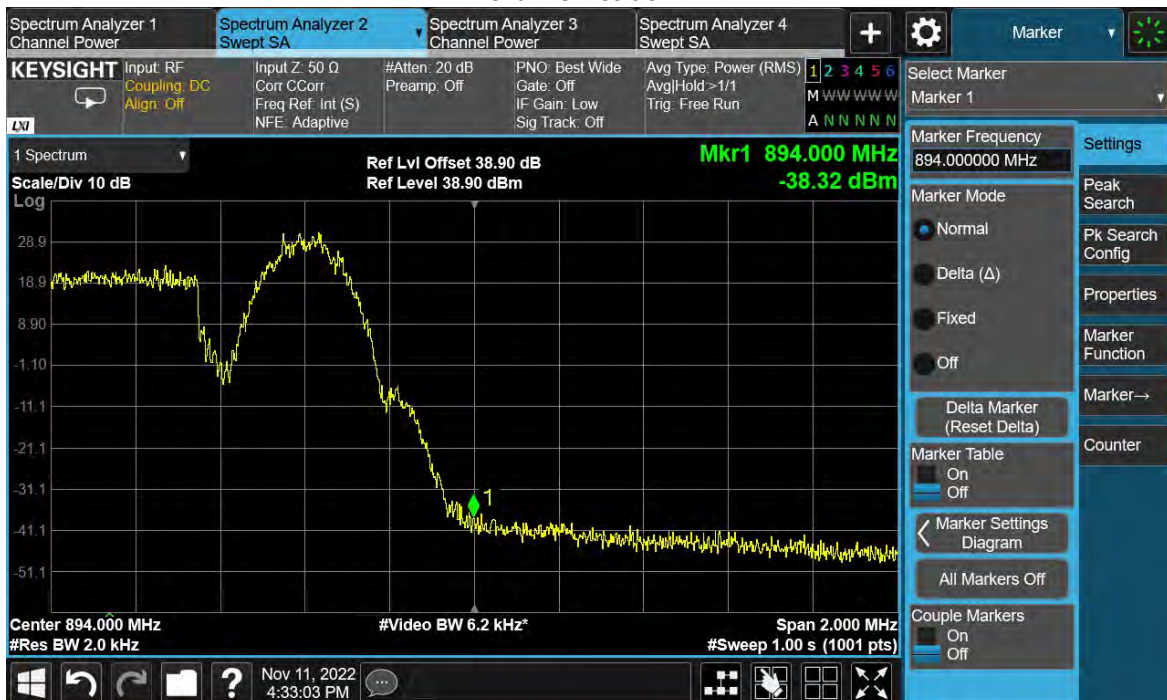
LTE+GSM-MC-1-UE

Antenna Port	Channel Position	LTE & GSM Modulation	LTE Carrier BW (MHz)	GSM Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	1.4	0.2	15	-19.02
D	T	QPSK	1.4	0.2	2	-13.00

Channel Position B



Channel Position T



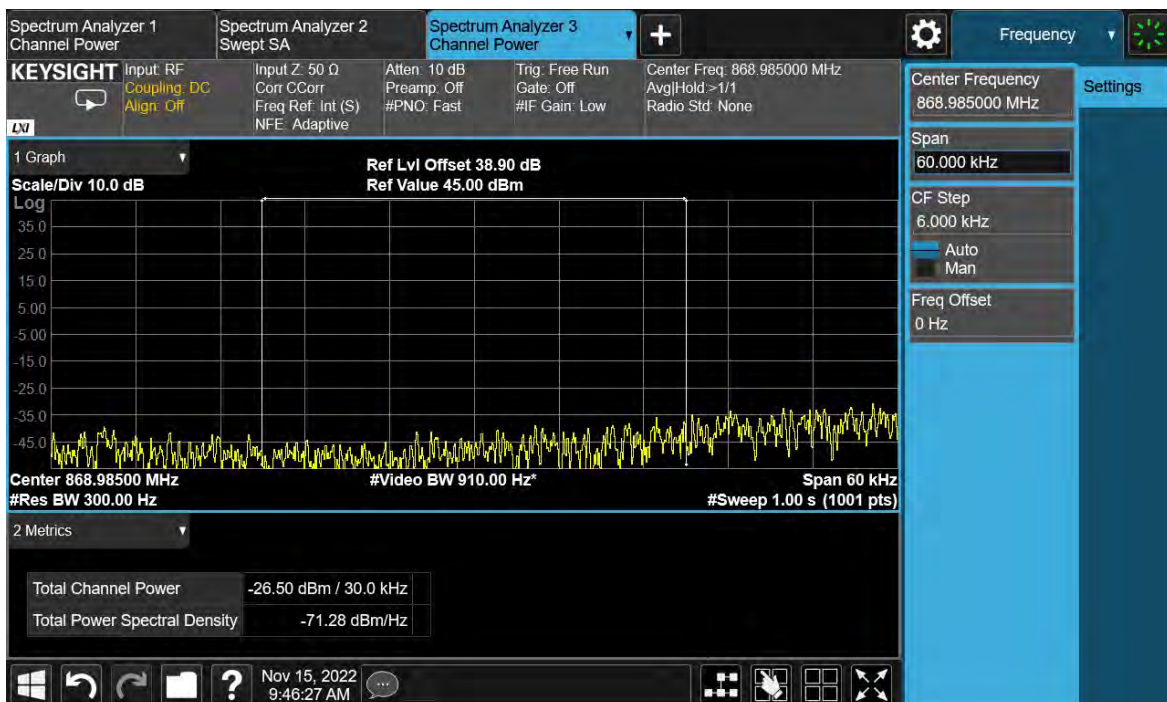
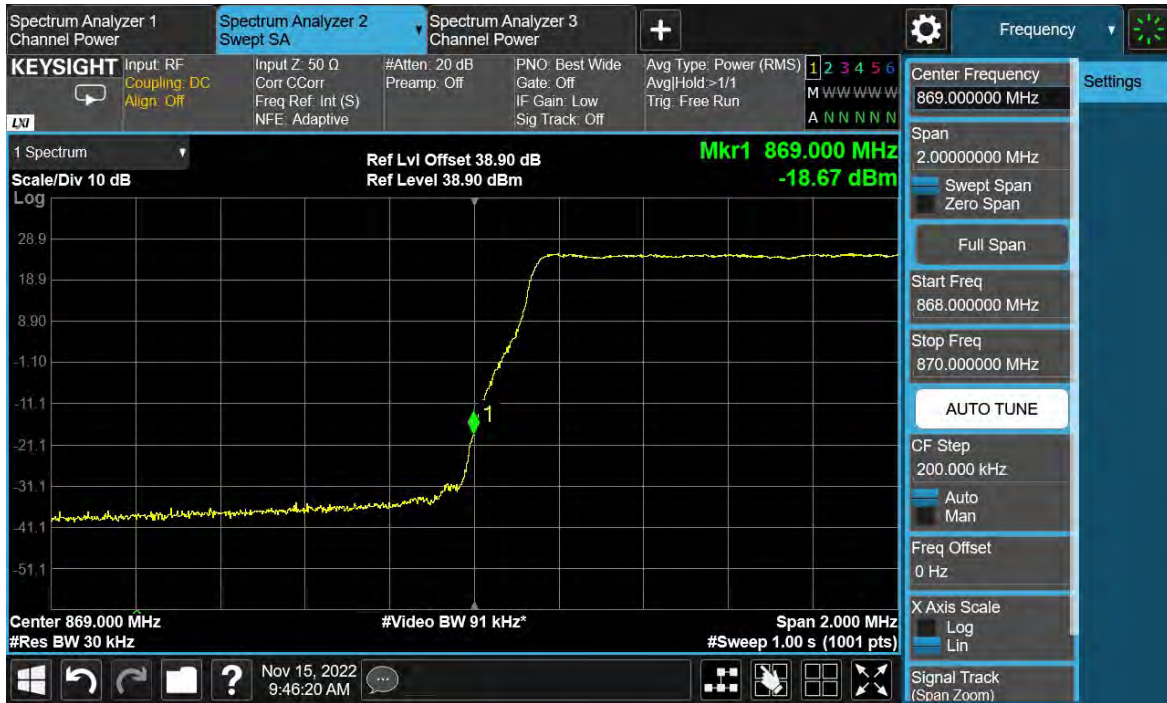
Total Quality. Assured.

TEST REPORT

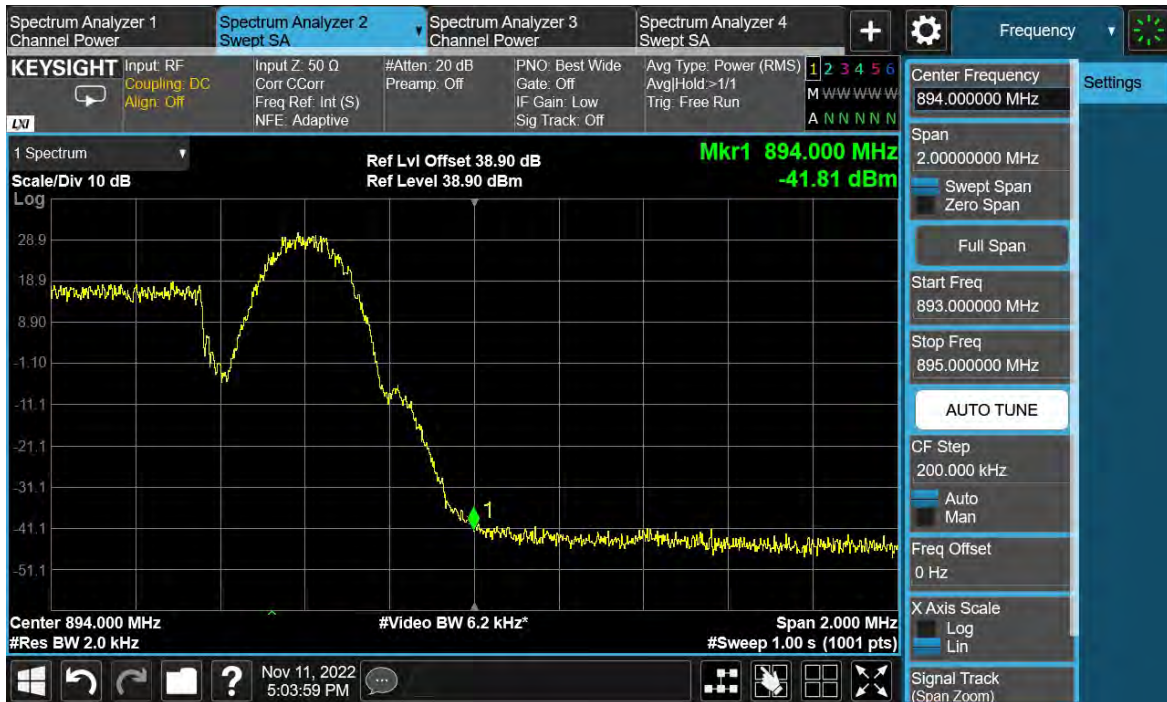
LTE+GSM-MC-1-UE

Antenna Port	Channel Position	LTE & GSM Modulation	LTE Carrier BW (MHz)	GSM Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	3	0.2	30	-19.02
D	T	QPSK	3	0.2	2	-13.00

Channel Position B



Channel Position T



LTE+GSM-MC-1-UE

Antenna Port	Channel Position	LTE & GSM Modulation	LTE Carrier BW (MHz)	GSM Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	0.2	51	-19.02
D	T	QPSK	5	0.2	2	-13.00

Channel Position B



Channel Position T



LTE+GSM-MC-1-UE

Antenna Port	Channel Position	LTE & GSM Modulation	LTE Carrier BW (MHz)	GSM Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	20	0.2	200	-19.02
D	T	QPSK	20	0.2	2	-13.00

Channel Position B



Channel Position T



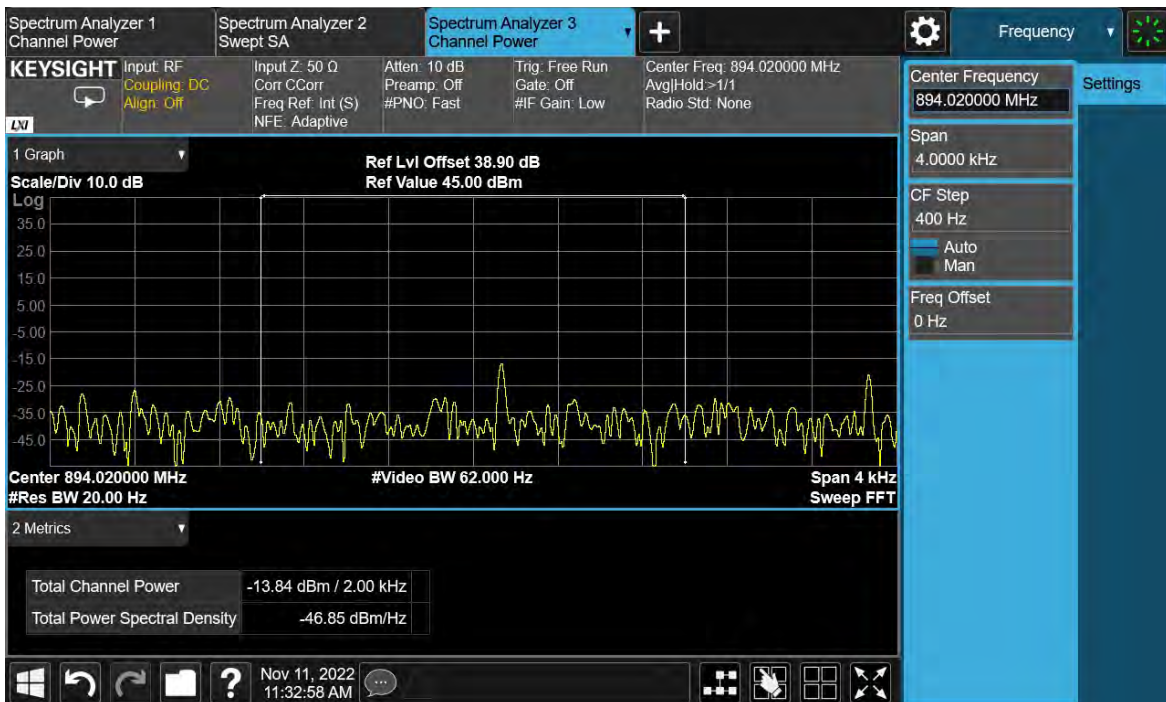
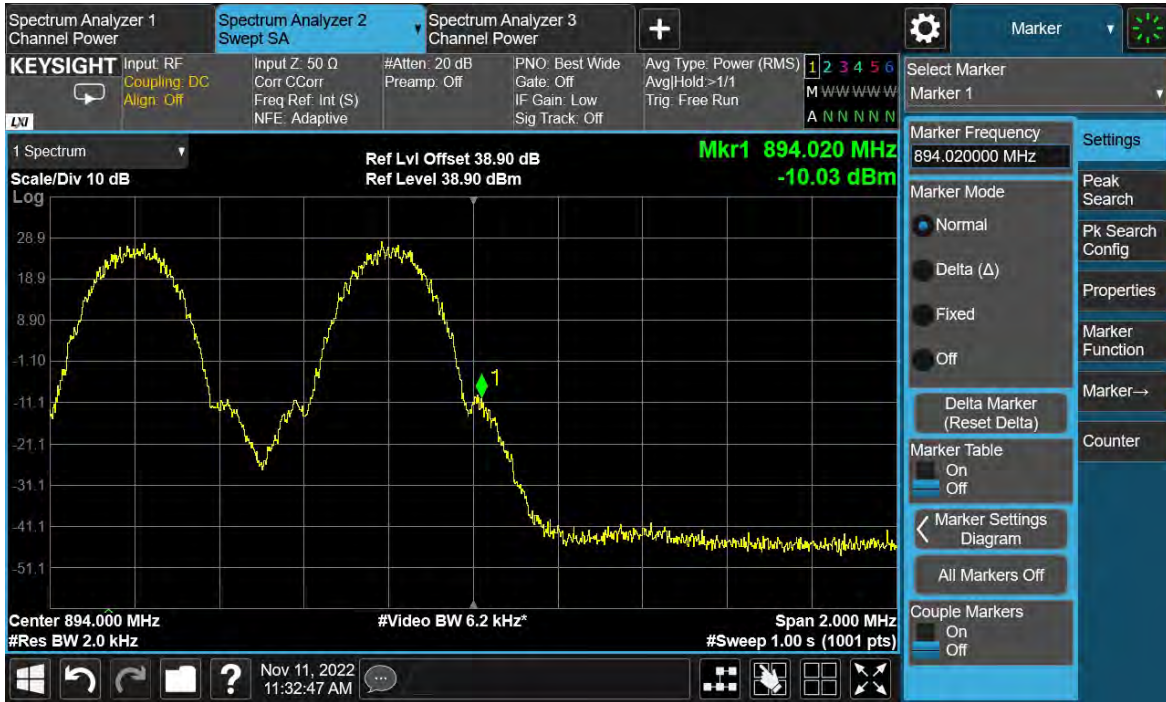
LTE+GSM-MC-2-UE

Antenna Port	Channel Position	LTE & GSM Modulation	LTE Carrier BW (MHz)	GSM Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	1.4	0.2	15	-19.02
D	T	QPSK	1.4	0.2	2	-13.00

Channel Position B



Channel Position T



TEST REPORT

LTE+GSM-MC-2-UE

Antenna Port	Channel Position	LTE & GSM Modulation	LTE Carrier BW (MHz)	GSM Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	3	0.2	30	-19.02
D	T	QPSK	3	0.2	2	-13.00

Channel Position B

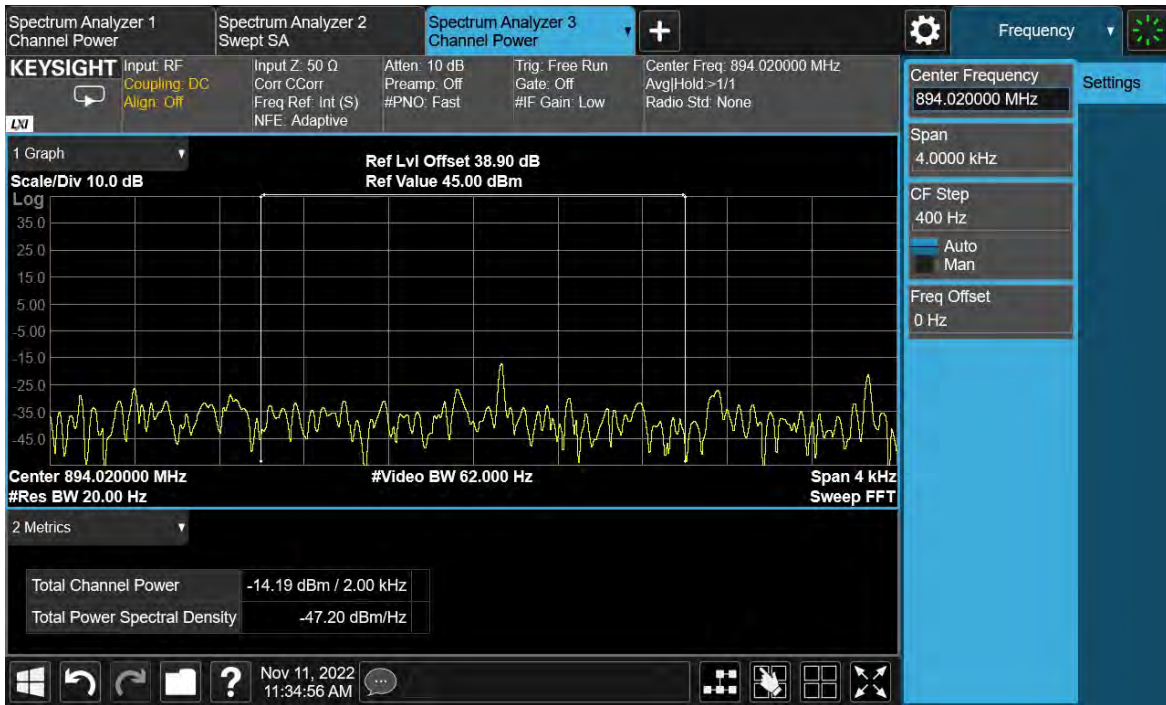


Channel Position T



Total Quality. Assured.

TEST REPORT



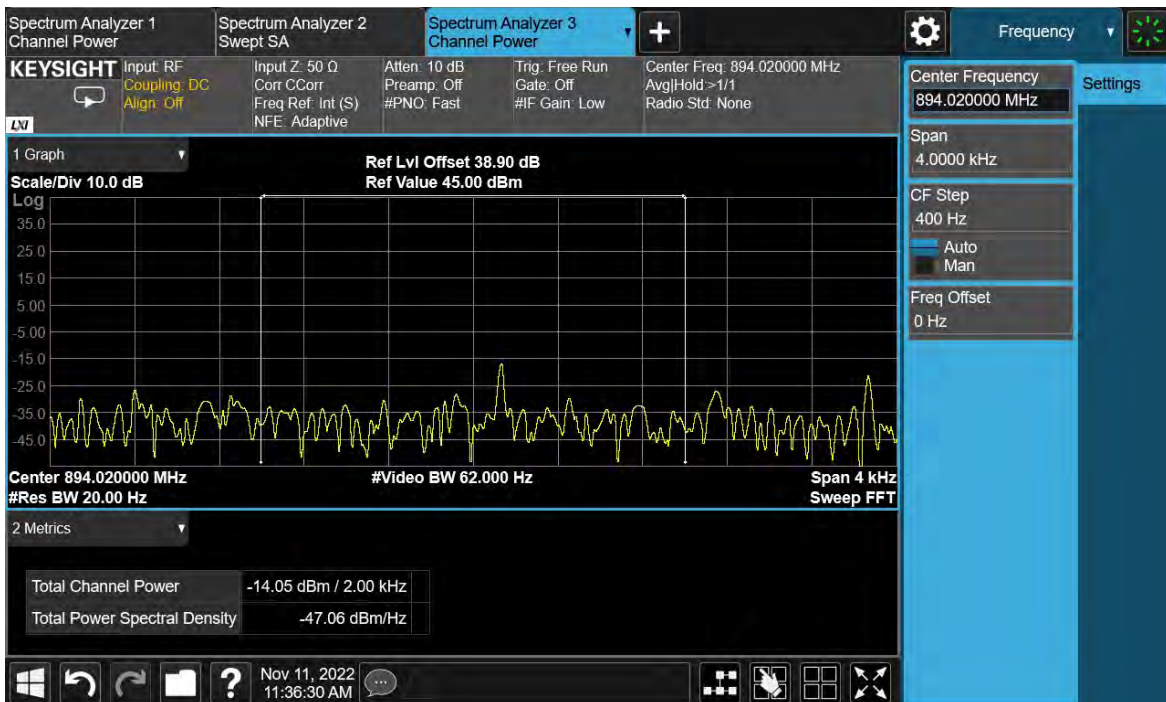
LTE+GSM-MC-2-UE

Antenna Port	Channel Position	LTE & GSM Modulation	LTE Carrier BW (MHz)	GSM Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	0.2	51	-19.02
D	T	QPSK	5	0.2	2	-13.00

Channel Position B



Channel Position T



TEST REPORT

W+GSM-MC-1-UE

Antenna Port	Channel Position	W & GSM Modulation	W Carrier BW (MHz)	GSM Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	0.2	51	-19.02
D	T	QPSK	5	0.2	2	-13.00

Channel Position B



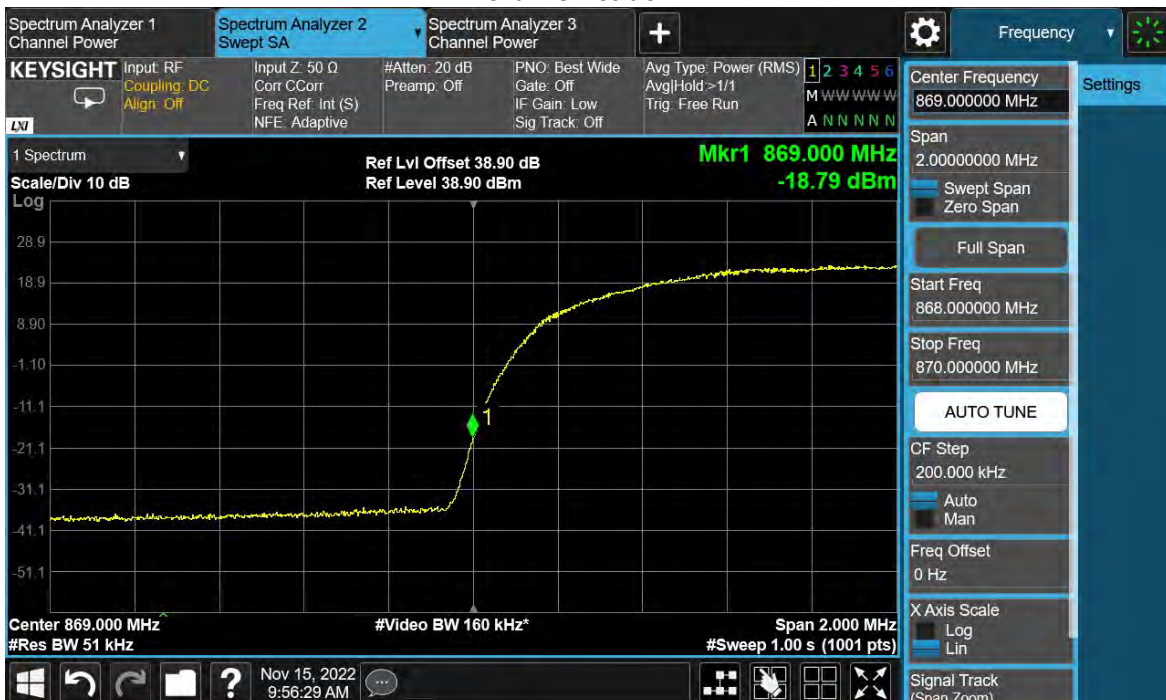
Channel Position T



W+GSM-MC-2-UE

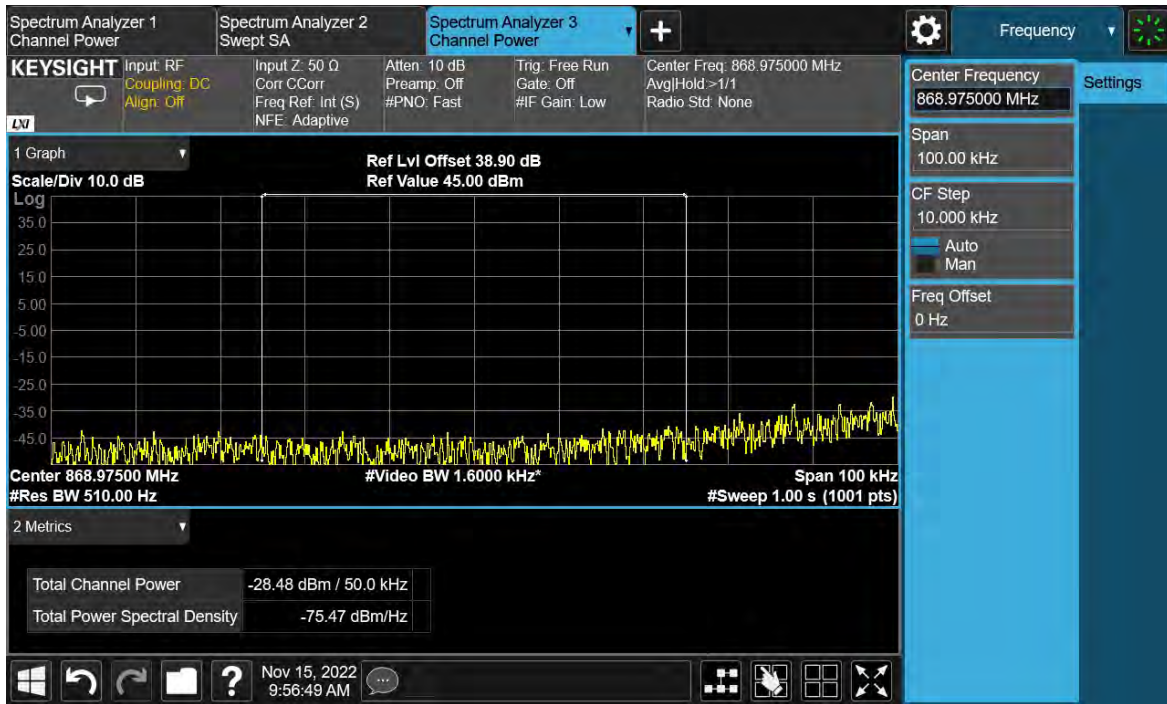
Antenna Port	Channel Position	W & GSM Modulation	W Carrier BW (MHz)	GSM Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	0.2	51	-19.02
D	T	QPSK	5	0.2	2	-13.00

Channel Position B



Total Quality. Assured.

TEST REPORT

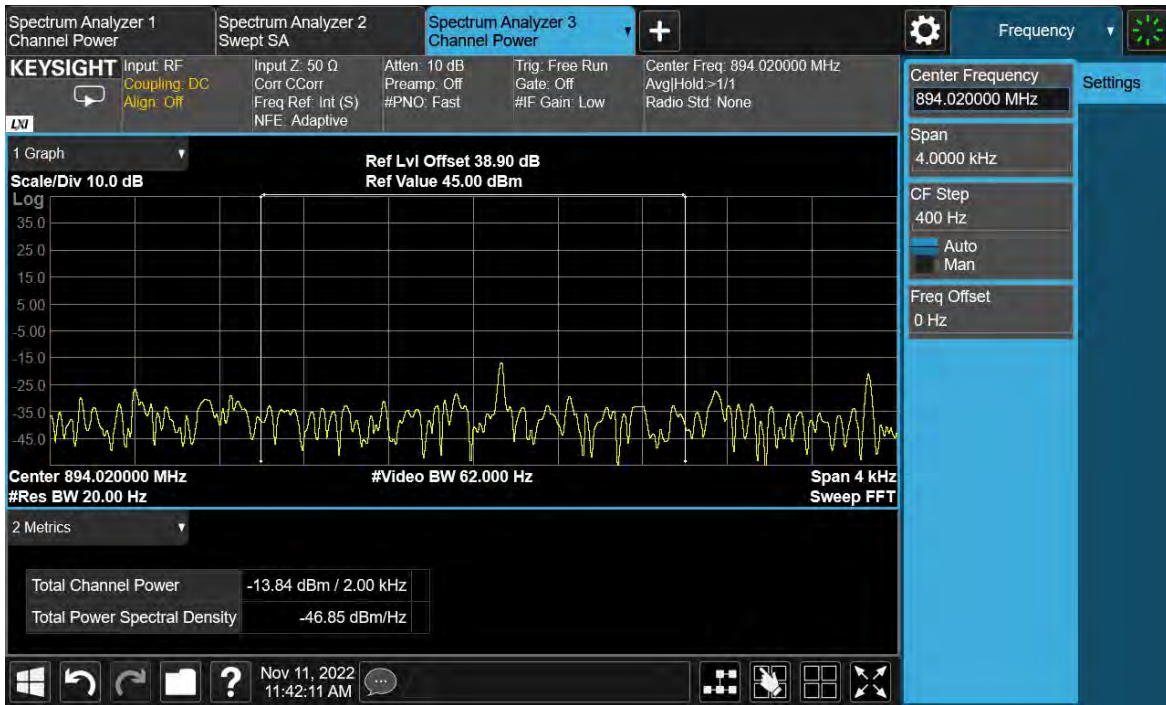


Channel Position T



Total Quality. Assured.

TEST REPORT



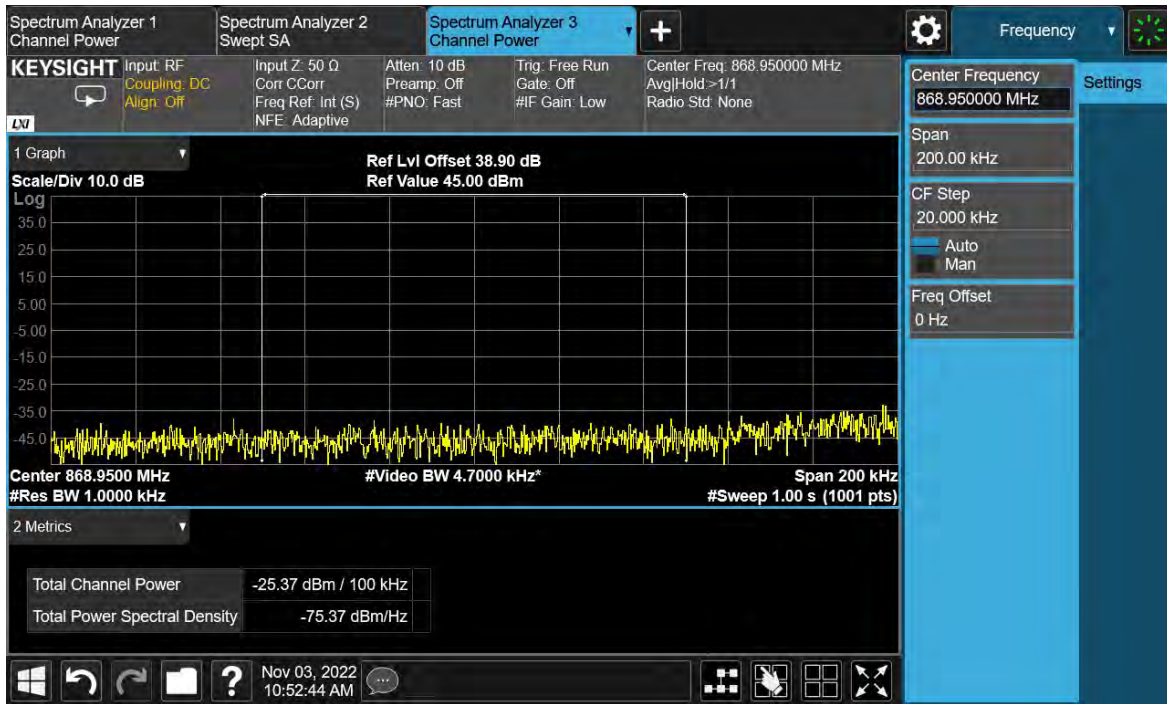
NR ESS IB-1C-UE

Antenna Port	Channel Position	Modulation	Carrier Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	10	100	-19.02
D	T	QPSK	10	100	-19.02

Channel Position B



TEST REPORT

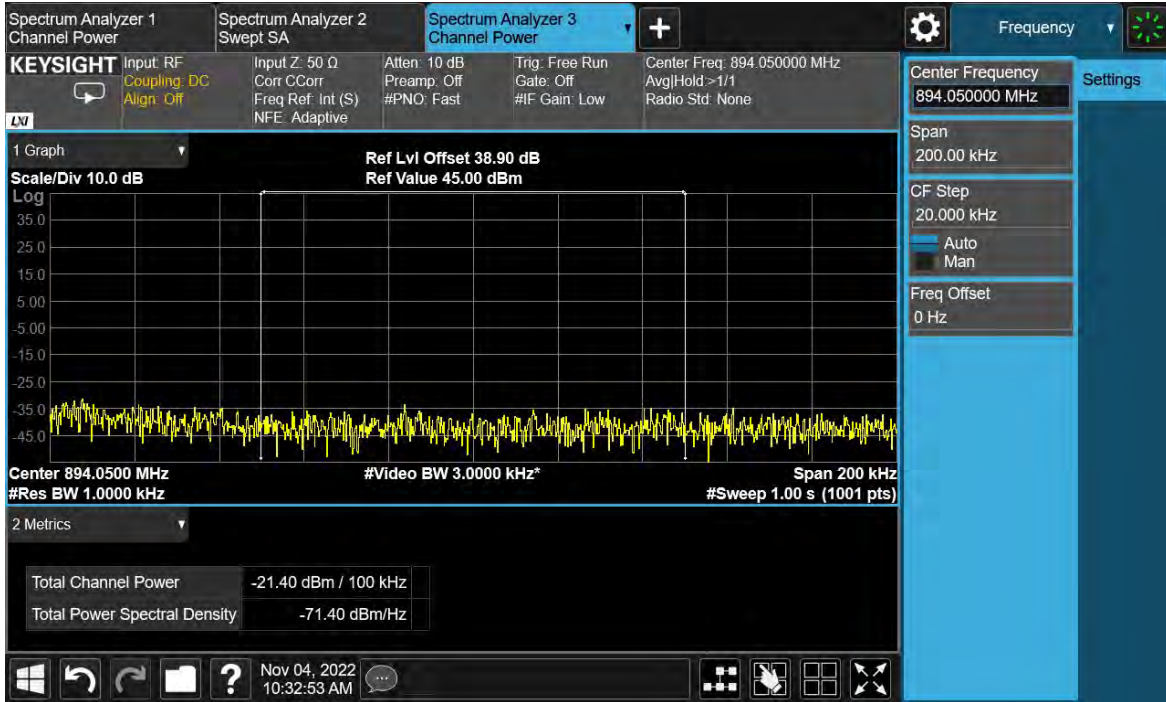


Channel Position T



Total Quality. Assured.

TEST REPORT



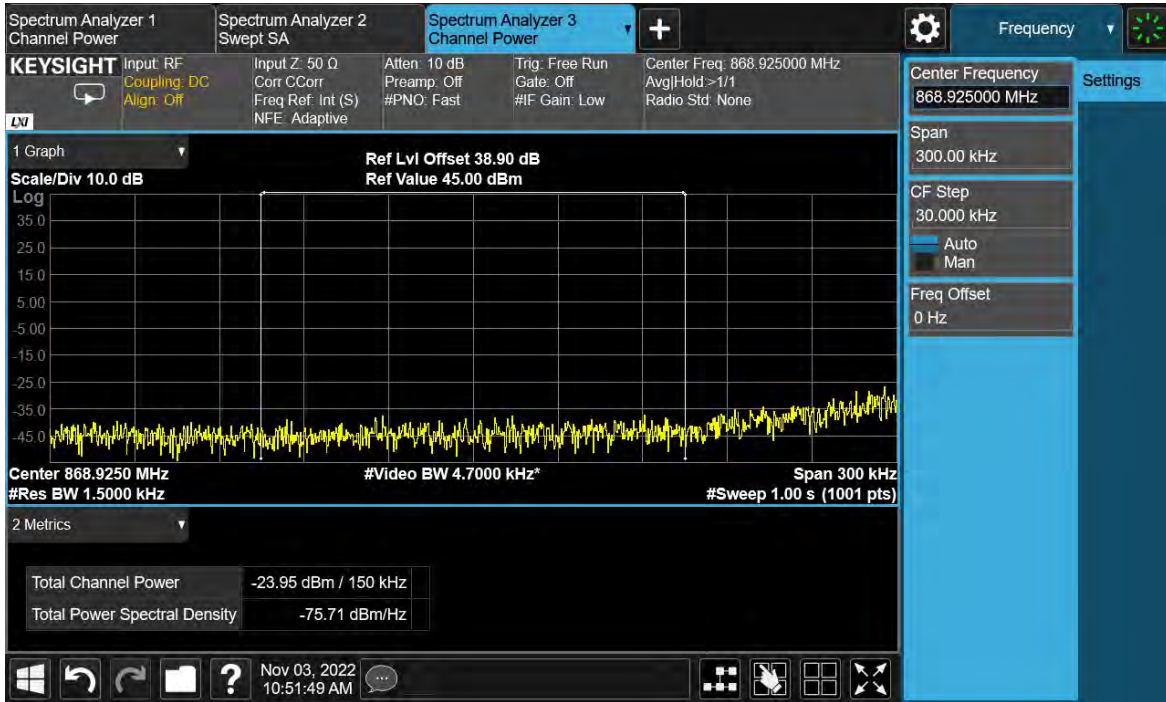
NR ESS IB-1C-UE

Antenna Port	Channel Position	Modulation	Carrier Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	15	150	-19.02
D	T	QPSK	15	150	-19.02

Channel Position B



TEST REPORT

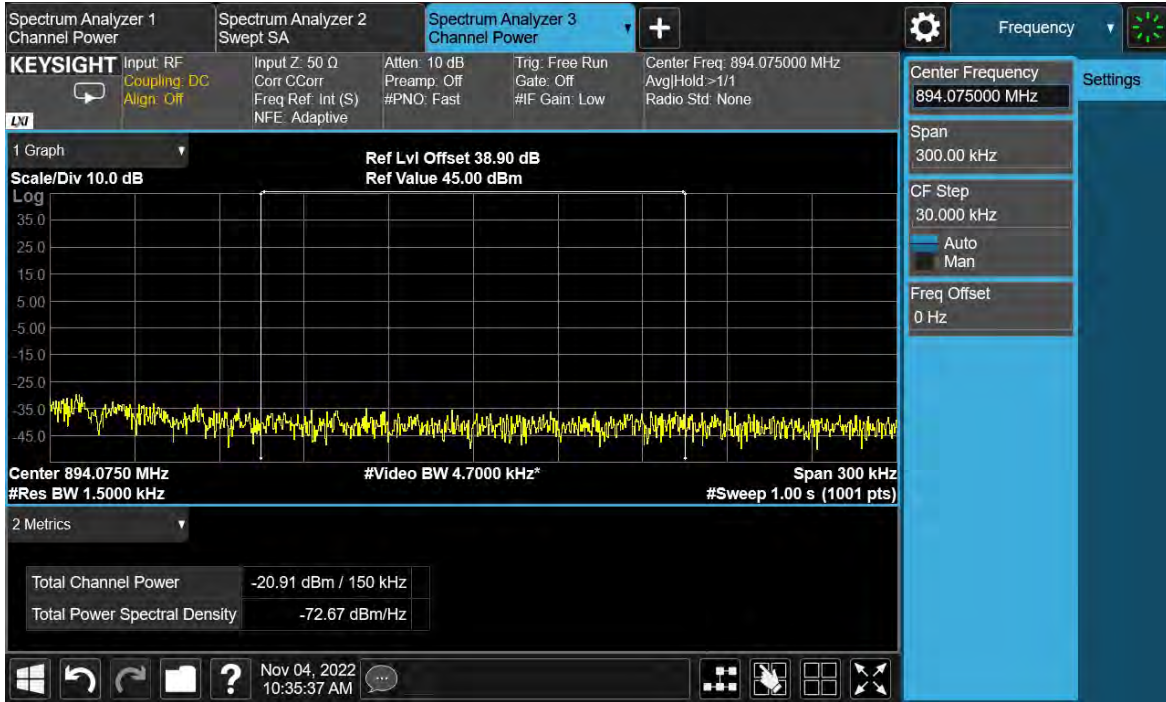


Channel Position T



Total Quality. Assured.

TEST REPORT



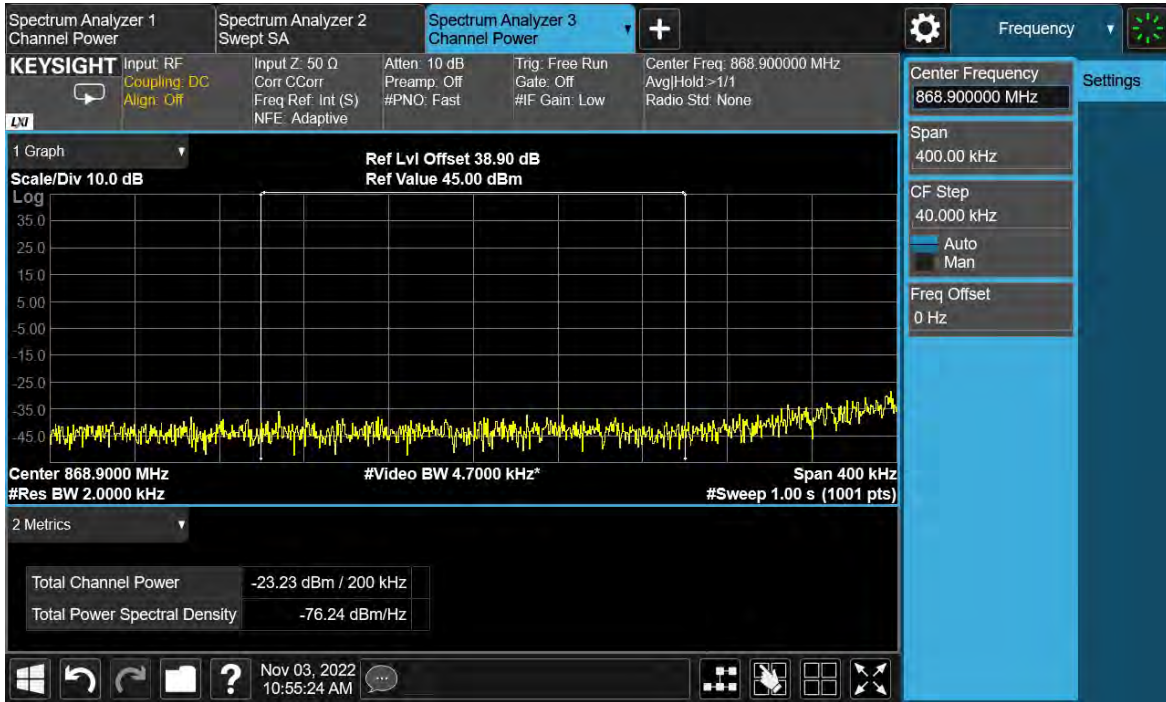
NR ESS IB-1C-UE

Antenna Port	Channel Position	Modulation	Carrier Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	20	200	-19.02
D	T	QPSK	20	200	-19.02

Channel Position B



TEST REPORT

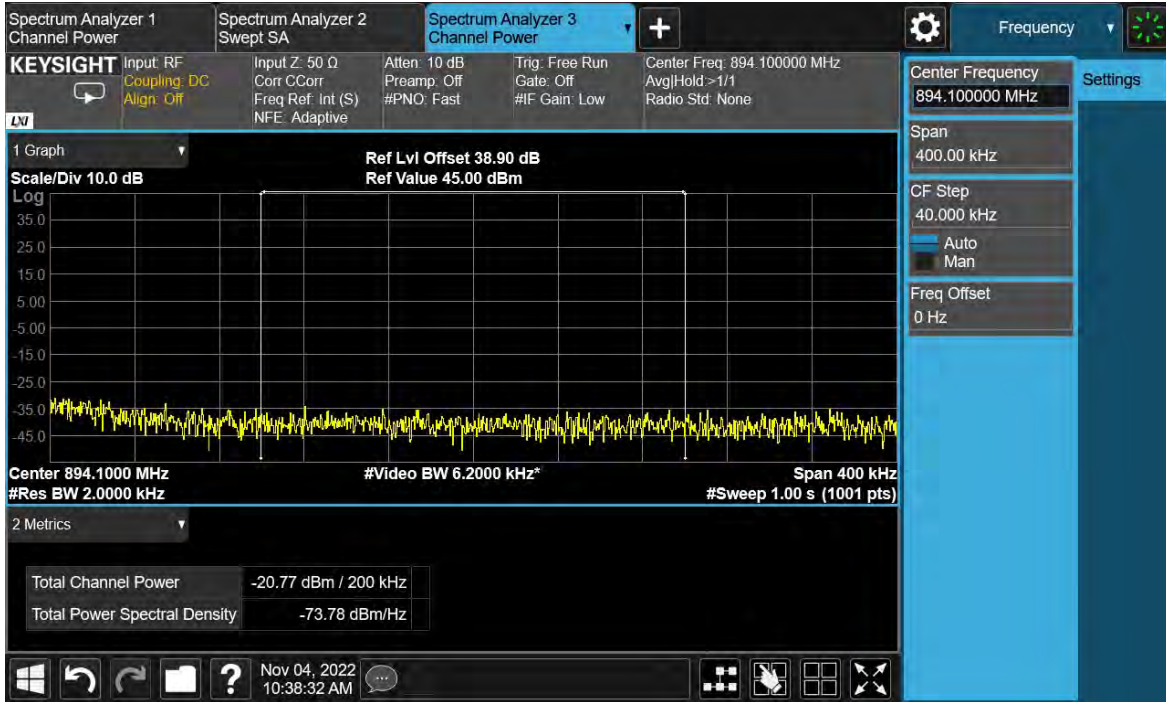


Channel Position T



Total Quality. Assured.

TEST REPORT



G+L+NR-MC-1-UE

Antenna Port	Channel Position	L & NR Modulation	L Carrier BW (MHz)	NR Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	1.4	5	2	-13.00
D	T	QPSK	1.4	5	51	-19.02

Channel Position B



Channel Position T



G+L+NR-MC-1-UE

Antenna Port	Channel Position	L & NR Modulation	L Carrier BW (MHz)	NR Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	5	2	-13.00
D	T	QPSK	5	5	51	-19.02

Channel Position B



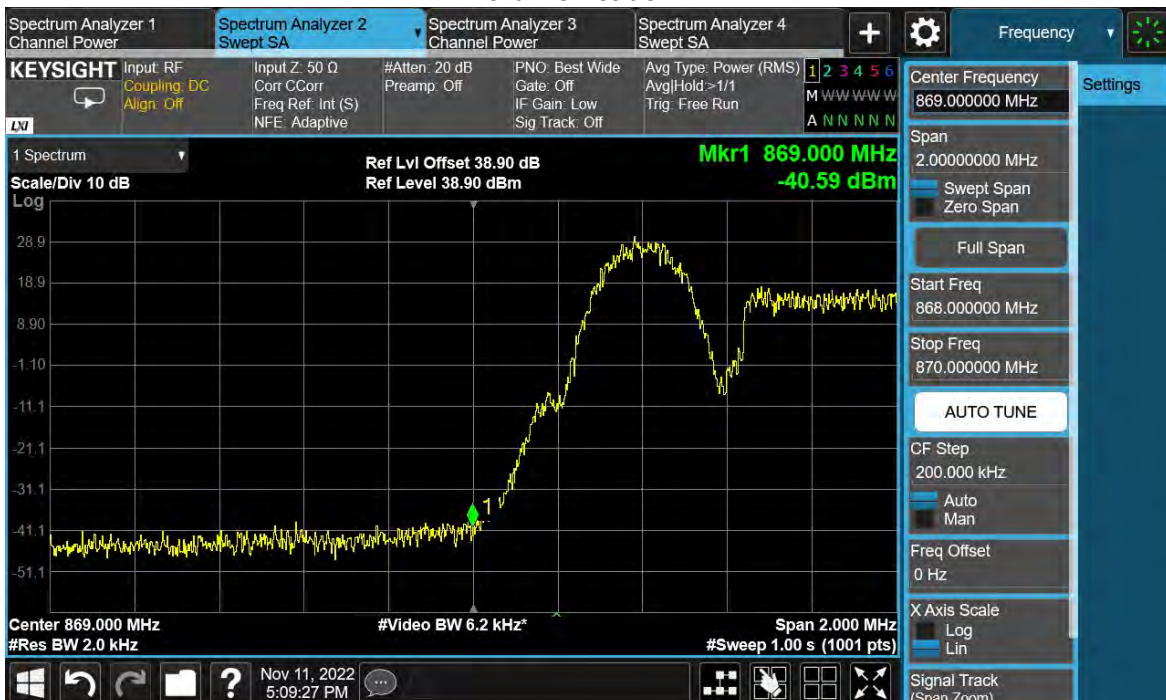
Channel Position T



G+L+NR-MC-1-UE

Antenna Port	Channel Position	L & NR Modulation	L Carrier BW (MHz)	NR Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	3	10	2	-13.00
D	T	QPSK	3	10	100	-19.02

Channel Position B



TEST REPORT

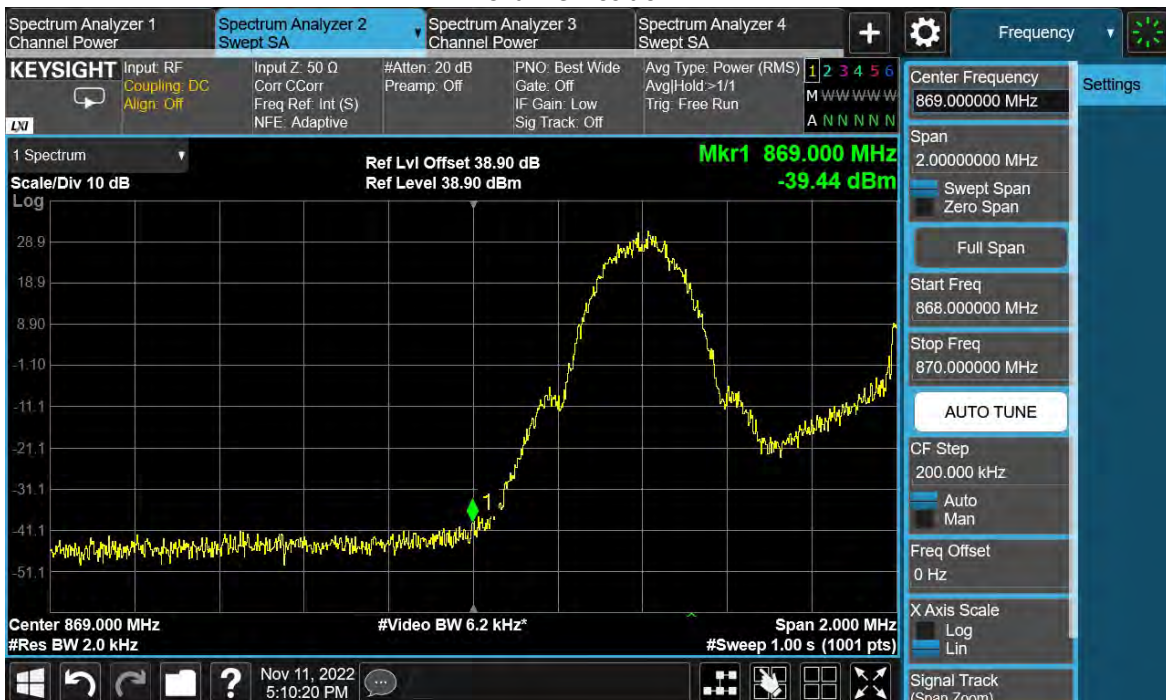
Channel Position T



G+L+NR-MC-1-UE

Antenna Port	Channel Position	L & NR Modulation	L Carrier BW (MHz)	NR Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	10	10	2	-13.00
D	T	QPSK	10	10	100	-19.02

Channel Position B



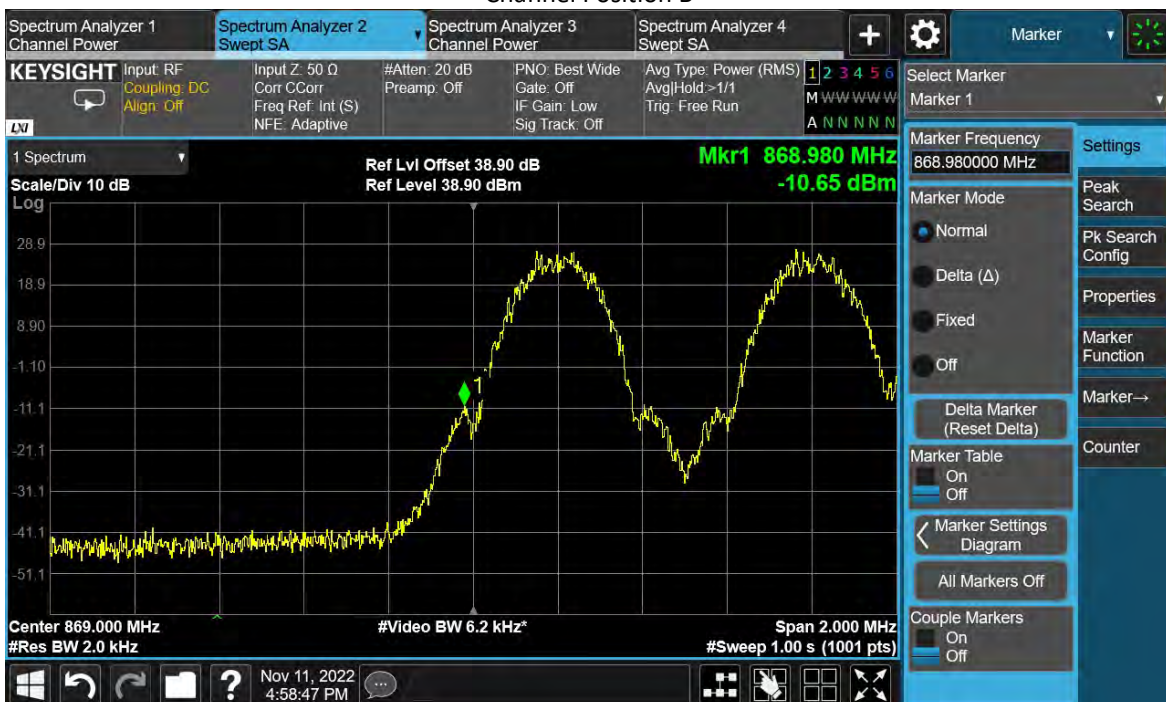
Channel Position T



G+L+NR-MC-2-UE

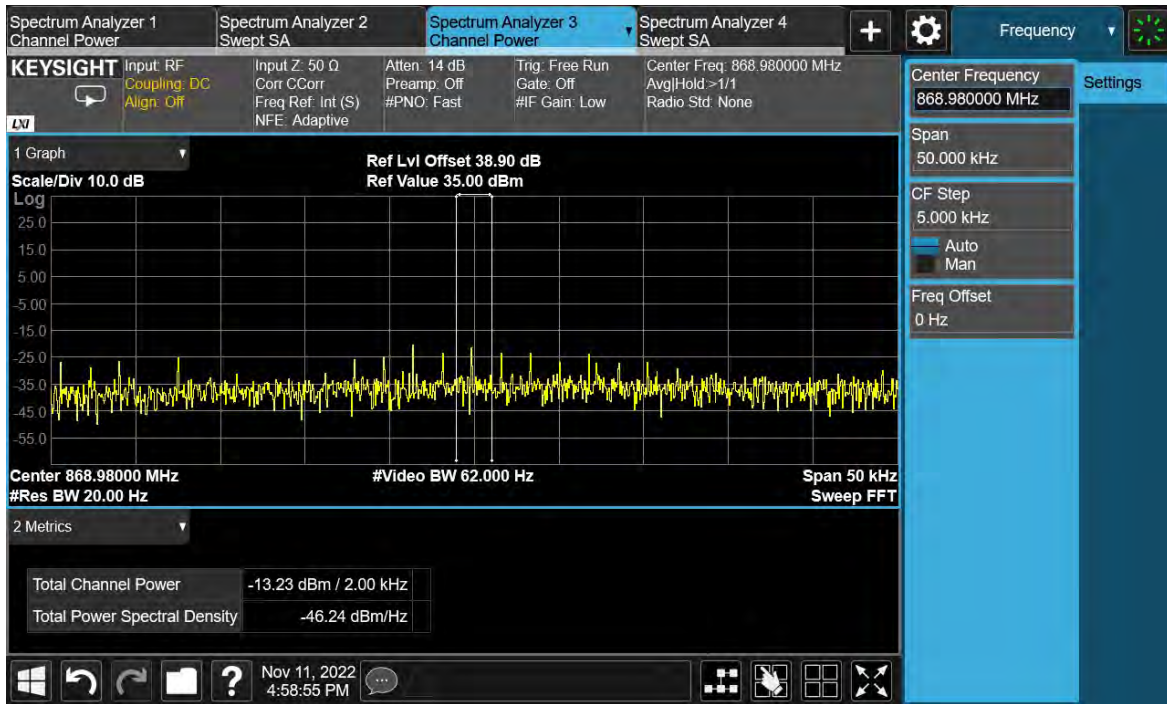
Antenna Port	Channel Position	L & NR Modulation	L Carrier BW (MHz)	NR Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	1.4	5	2	-13.00
D	T	QPSK	1.4	5	51	-19.02

Channel Position B



Total Quality. Assured.

TEST REPORT



Channel Position T



Total Quality. Assured.

TEST REPORT

G+L+NR-MC-2-UE

Antenna Port	Channel Position	L & NR Modulation	L Carrier BW (MHz)	NR Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	5	2	-13.00
D	T	QPSK	5	5	51	-19.02

Channel Position B



Channel Position T



6 Conducted Unwanted Emission

Test result: Pass

6.1 Limit

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 (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

6.2 Measurement Procedure

In accordance with FCC rules, 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.

The spurious emissions from the antenna terminal were measured. The transmitter output power was attenuated using an attenuator and the frequency spectrum investigated from 9kHz to 9GHz. The resolution bandwidth of 1MHz was employed for frequency band 9kHz to 9GHz. The spectrum analyzer detector was set to RMS.

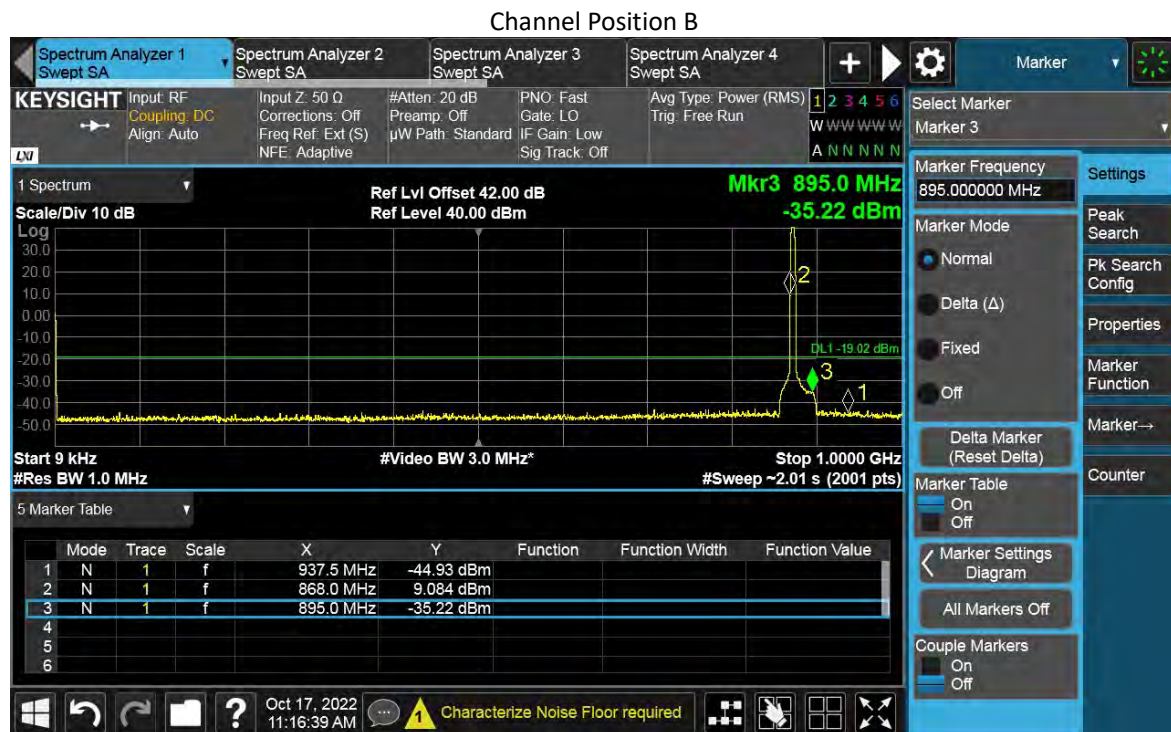
For MIMO mode configurations, the limit was adjusted with a correction of $-6.02\text{dB} [10\text{Log}(1/4)]$ by using the Measure and Add $10\text{Log}(N)$ dB technique according to KDB 662911 D01 Multiple Transmitter Output accounting for simultaneous transmission from antenna ports. Then the limit was adjusted to -19.02dBm . For GSM which do not support MIMO, the limit is 13dBm .

TEST REPORT

6.3 Measurement result

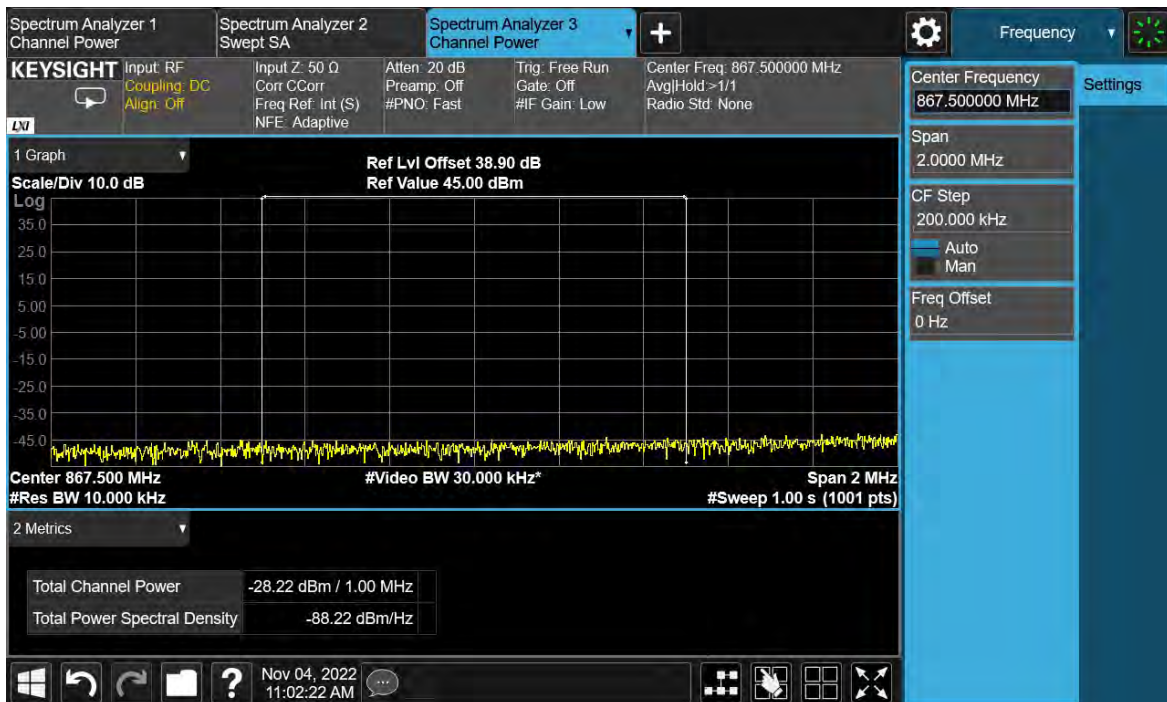
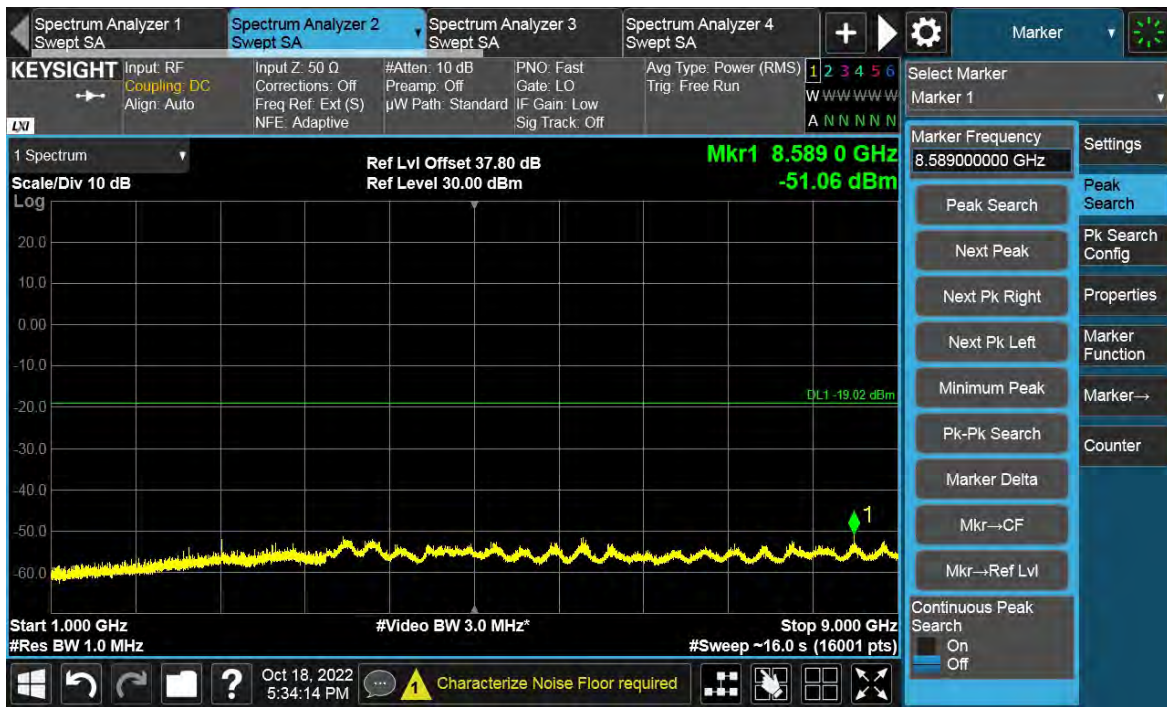
W-1C-UE

Antenna Port	Channel Position	Modulation	Carrier Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	1000	-19.02
D	T	QPSK	5	1000	-19.02

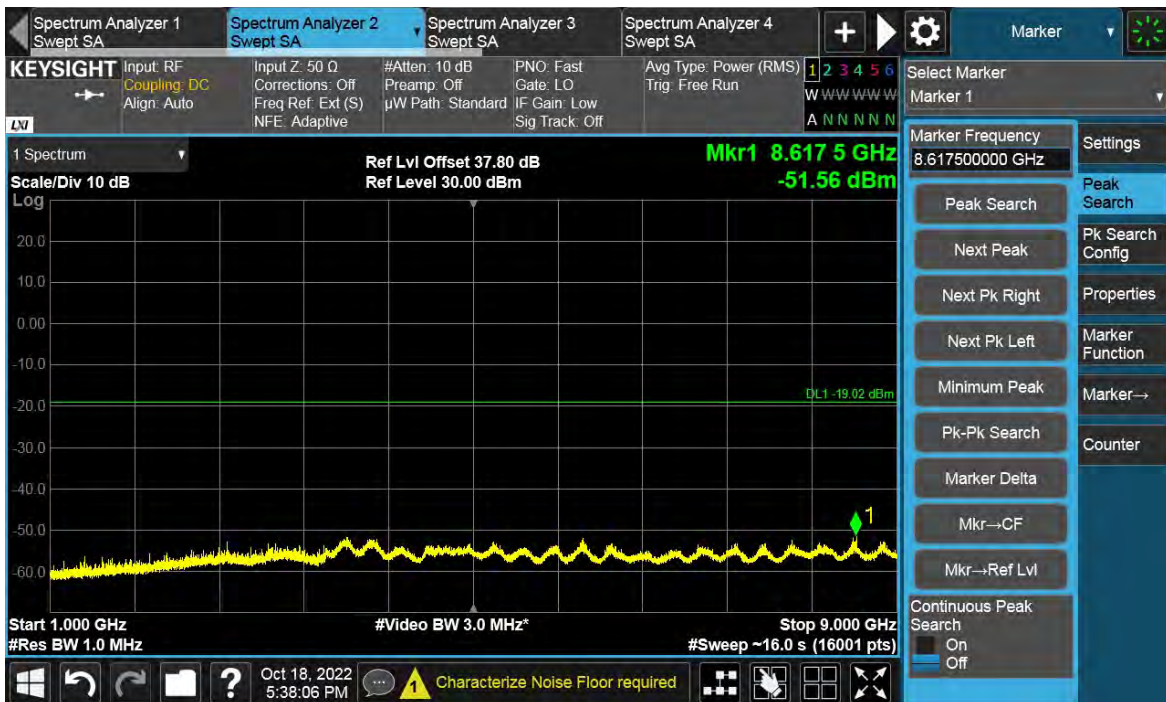
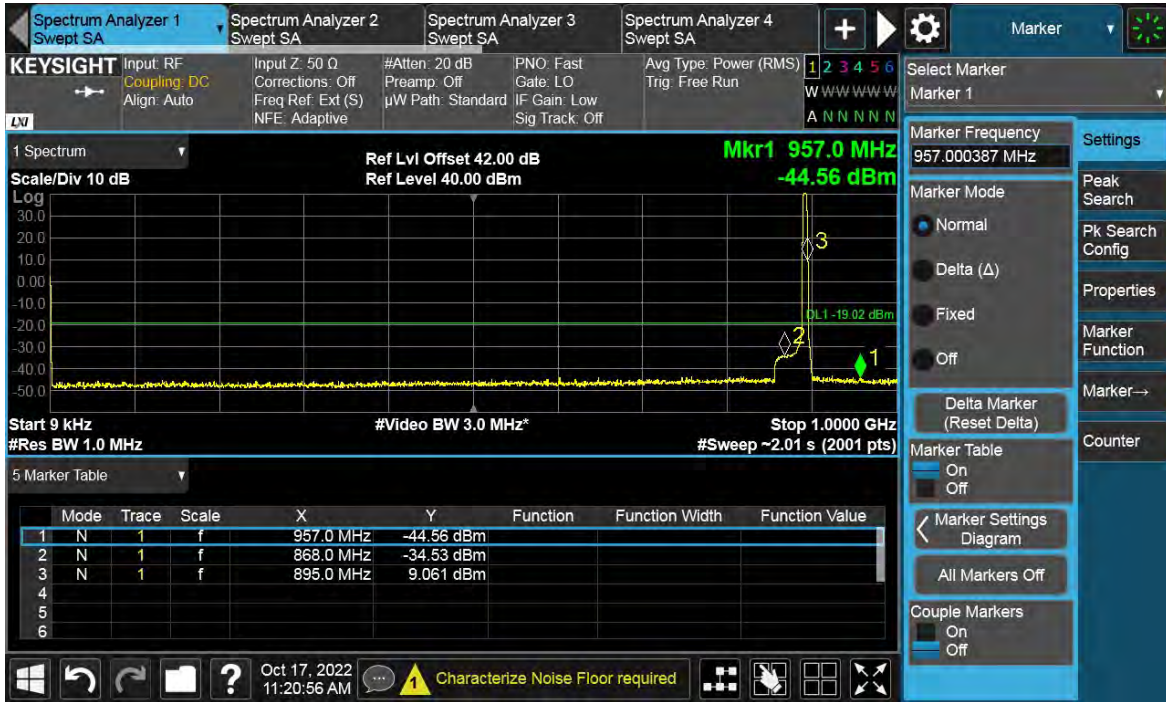


Total Quality. Assured.

TEST REPORT

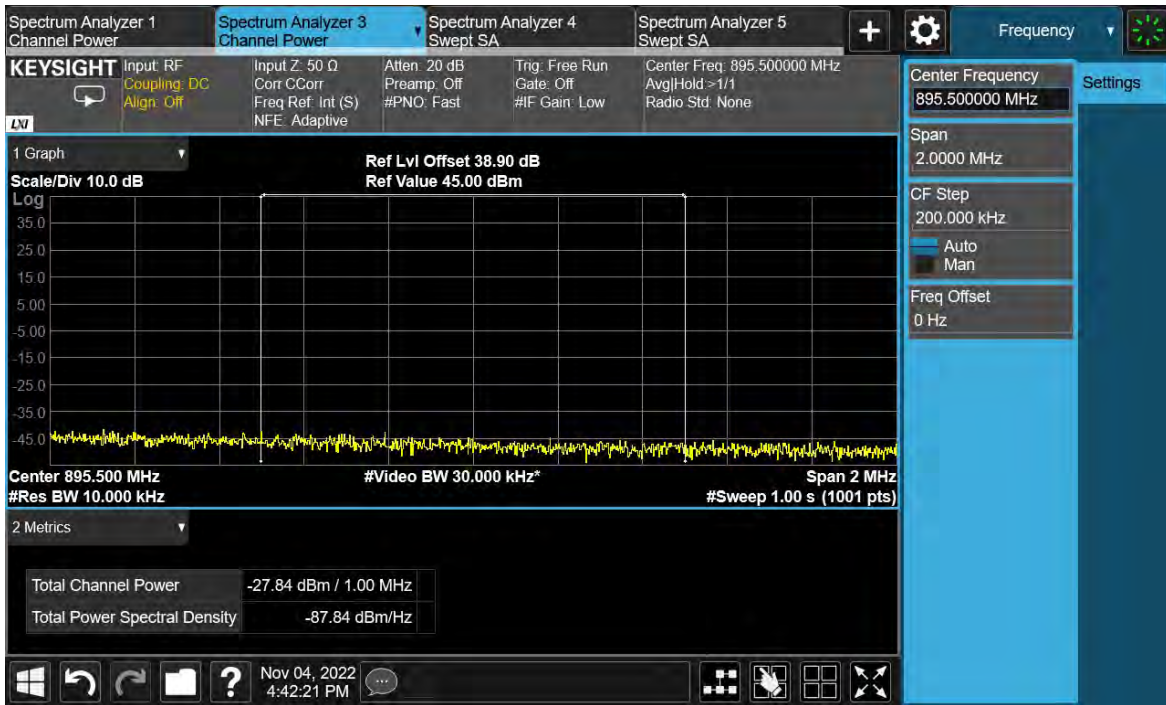


Channel Position T



Total Quality. Assured.

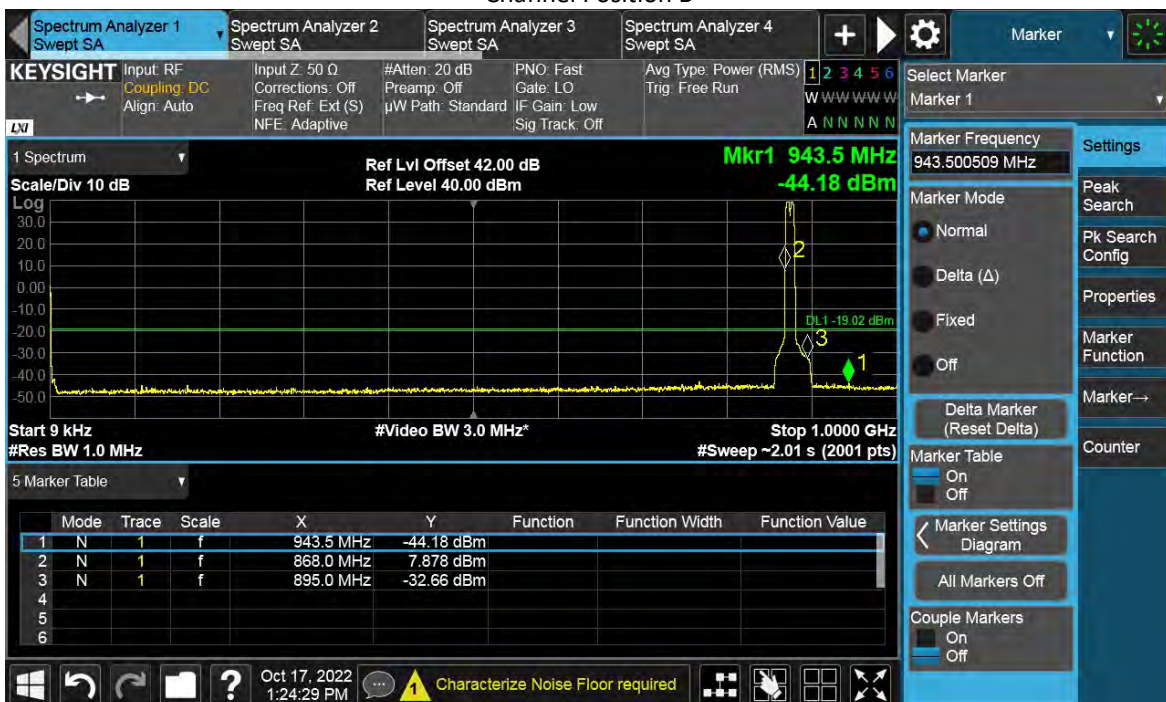
TEST REPORT



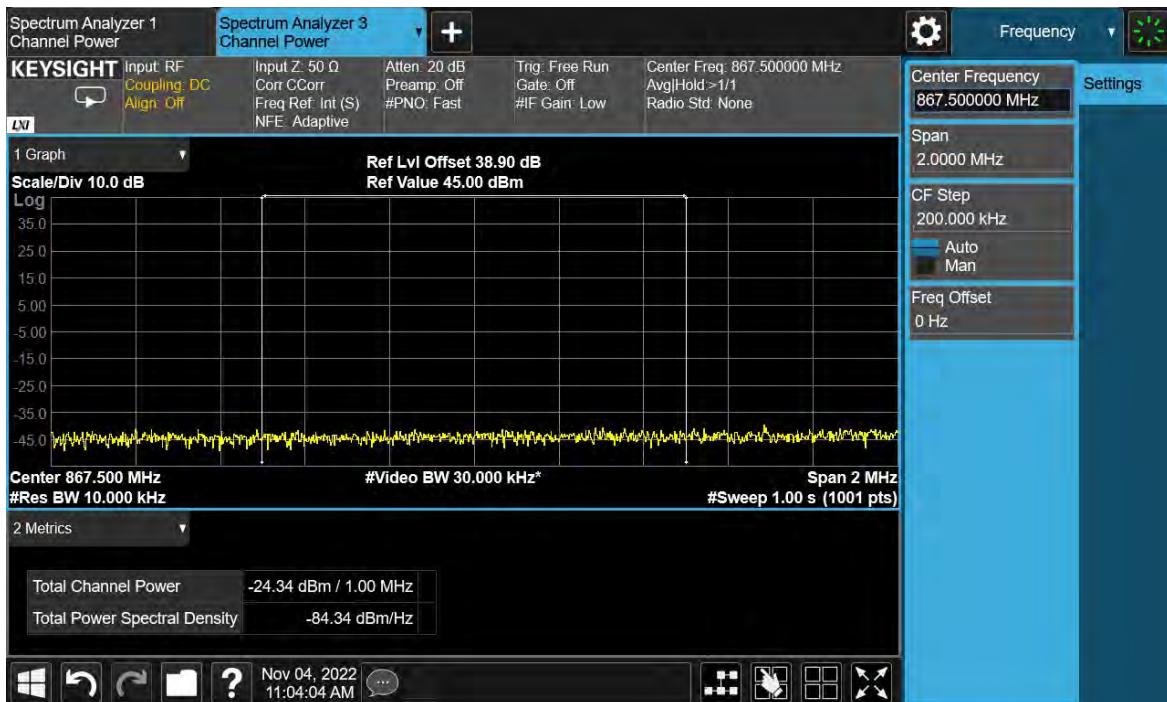
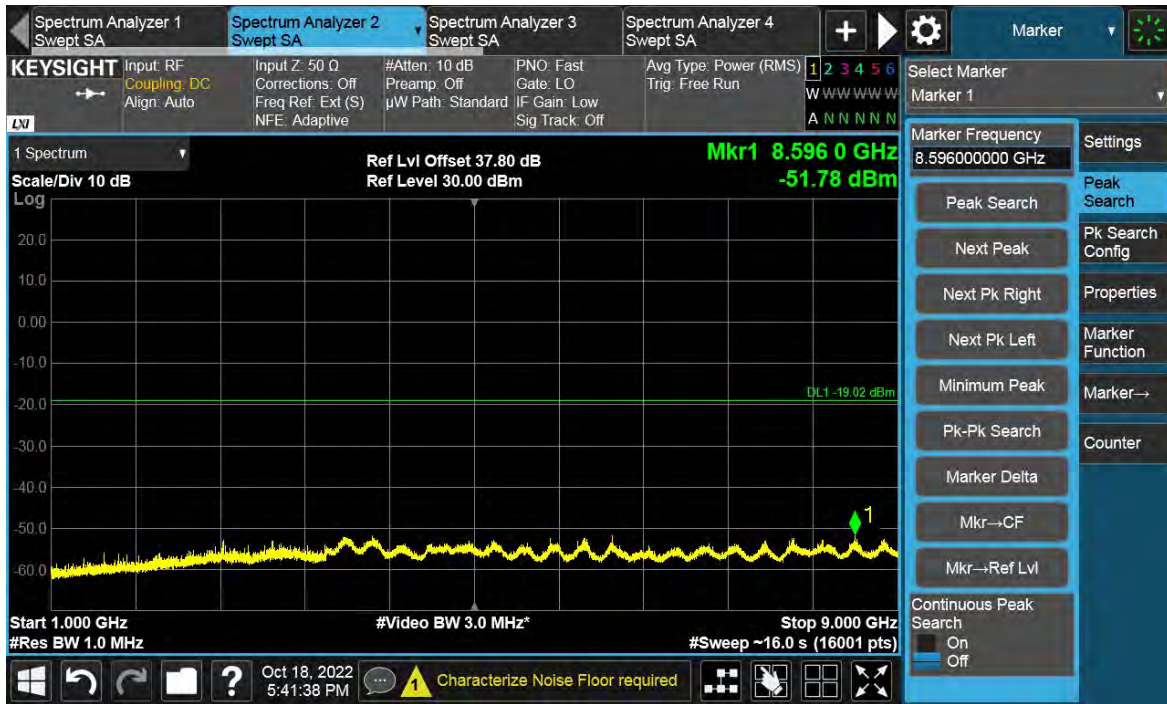
W-2C-UE

Antenna Port	Channel Position	Modulation	Carrier Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	1000	-19.02
D	T	QPSK	5	1000	-19.02

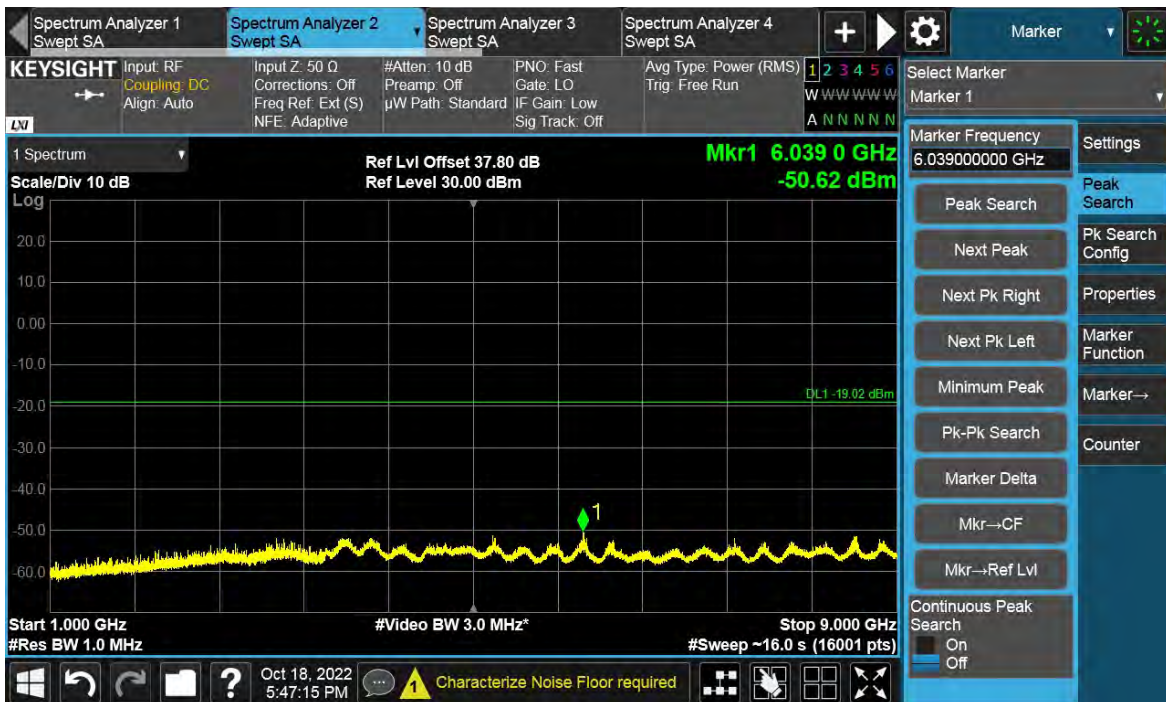
Channel Position B



TEST REPORT

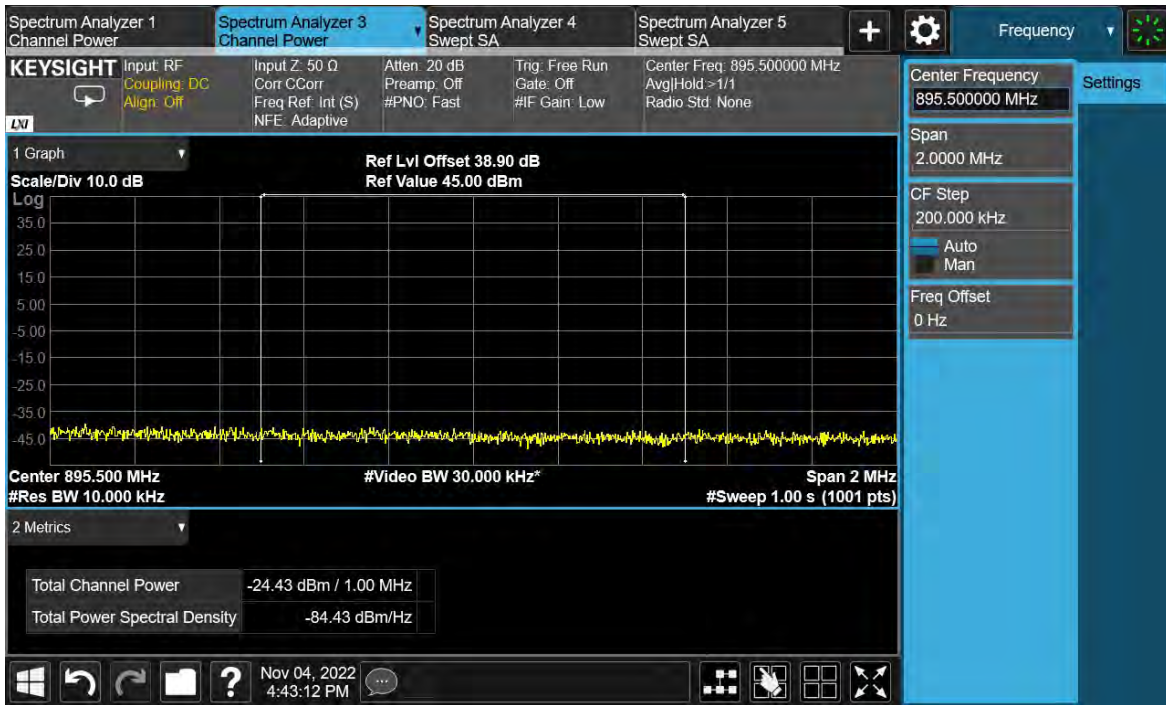


Channel Position T



Total Quality. Assured.

TEST REPORT



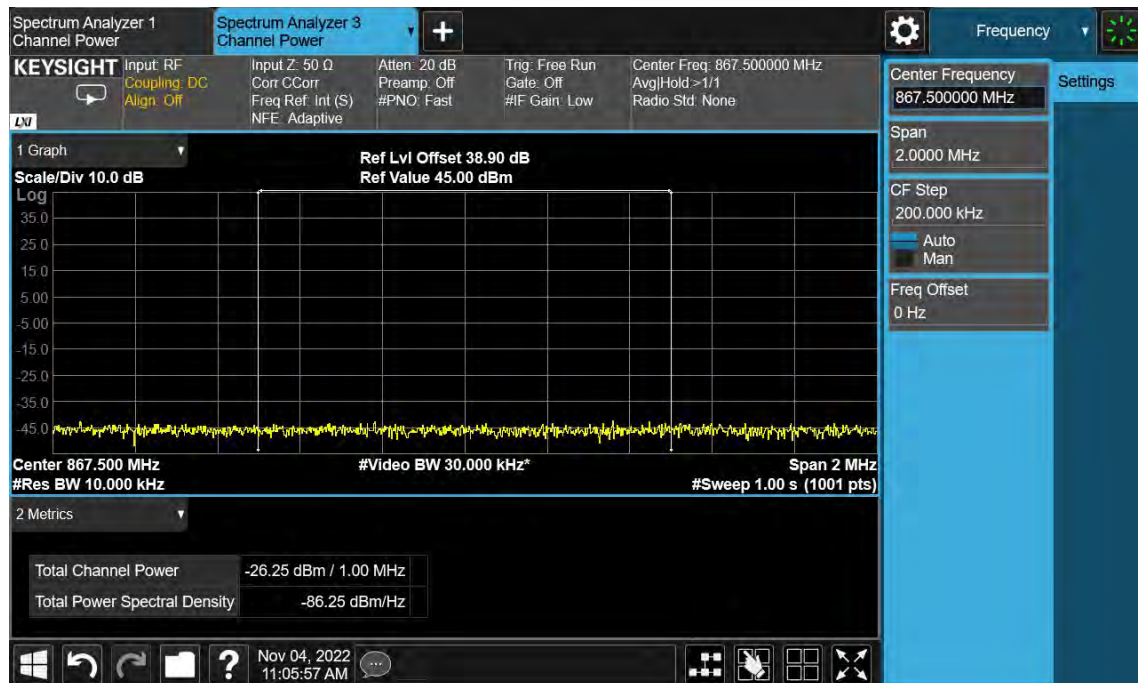
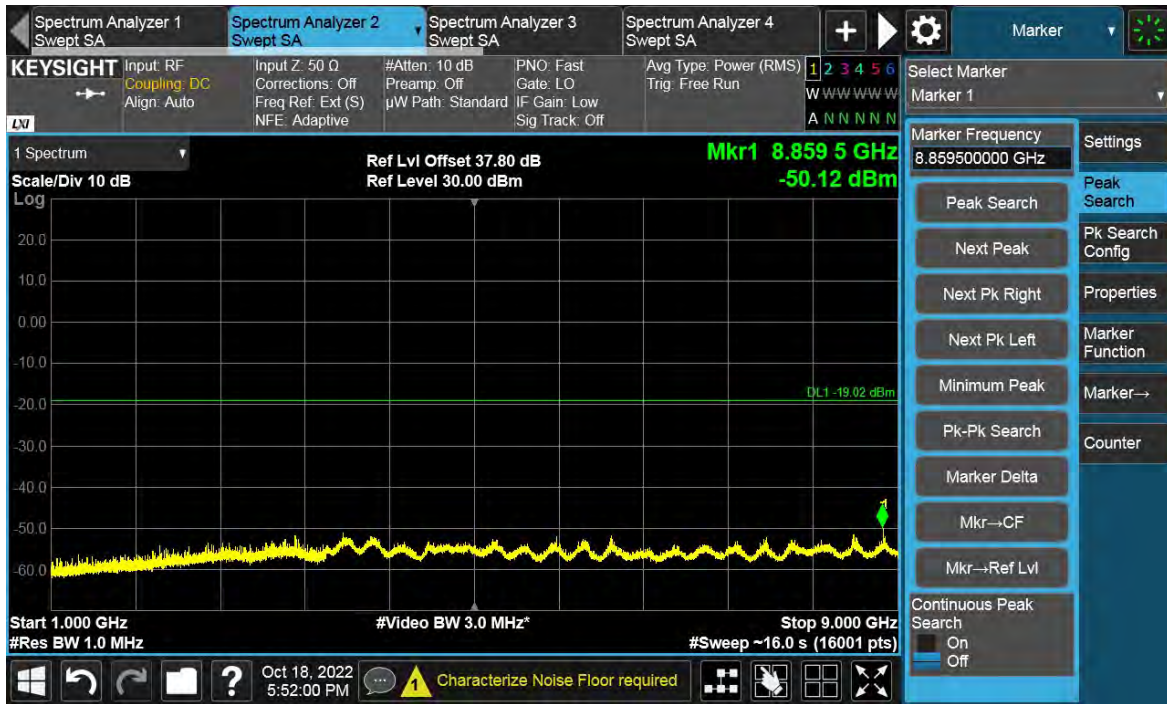
W-5C-UE

Antenna Port	Channel Position	Modulation	Carrier Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	M	QPSK	5	1000	-19.02

Channel Position M

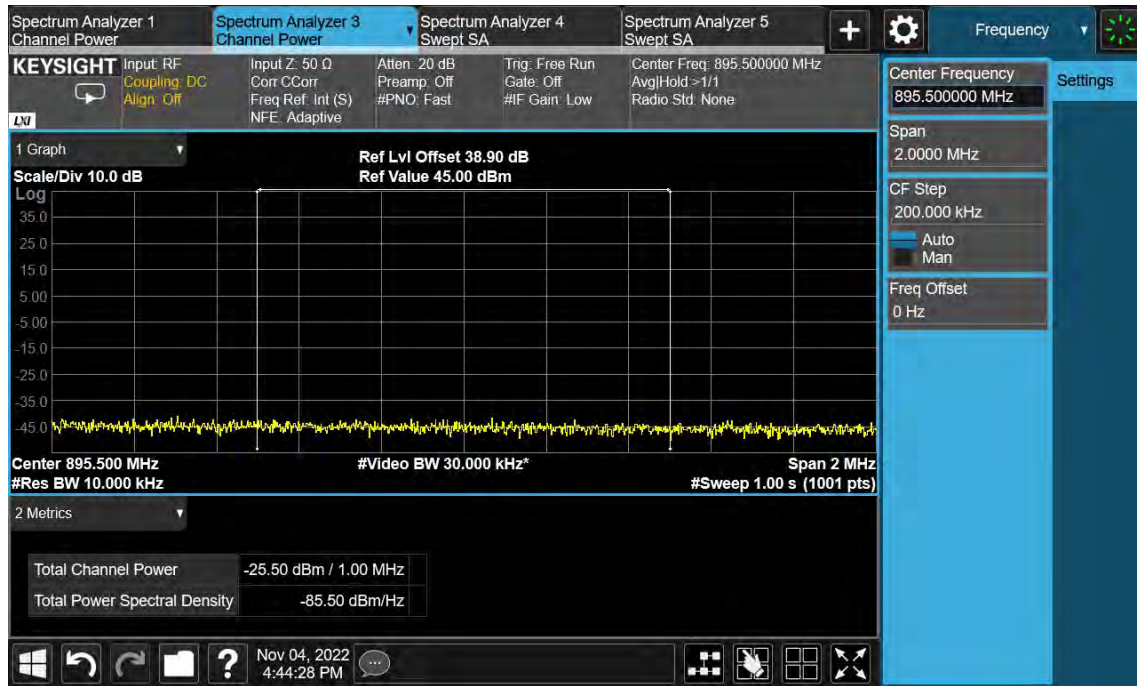


TEST REPORT



Total Quality. Assured.

TEST REPORT



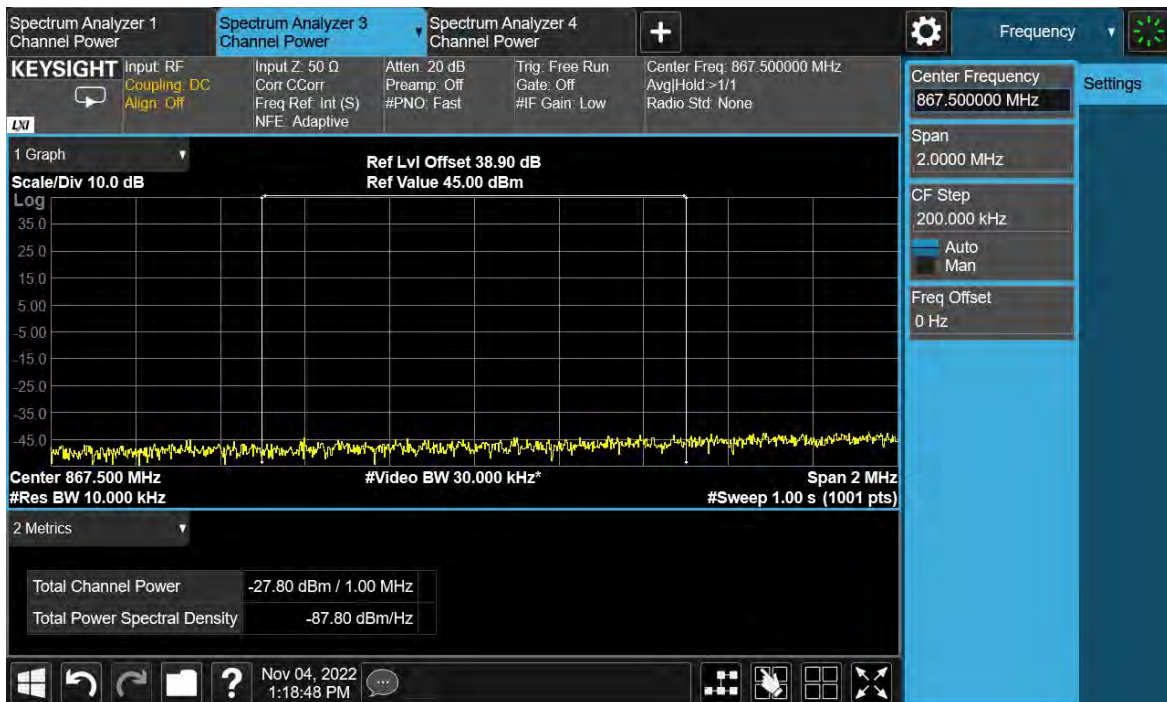
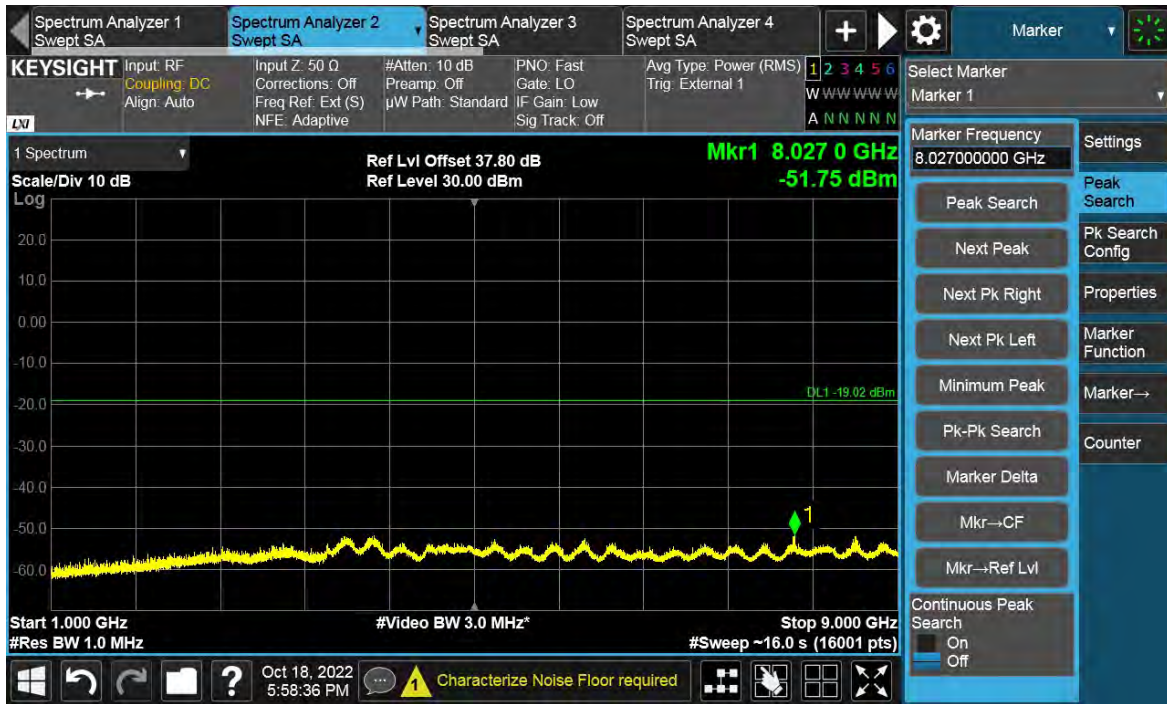
NR-1C-UE

Antenna Port	Channel Position	Modulation	Carrier Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	1000	-19.02
D	T	QPSK	5	1000	-19.02

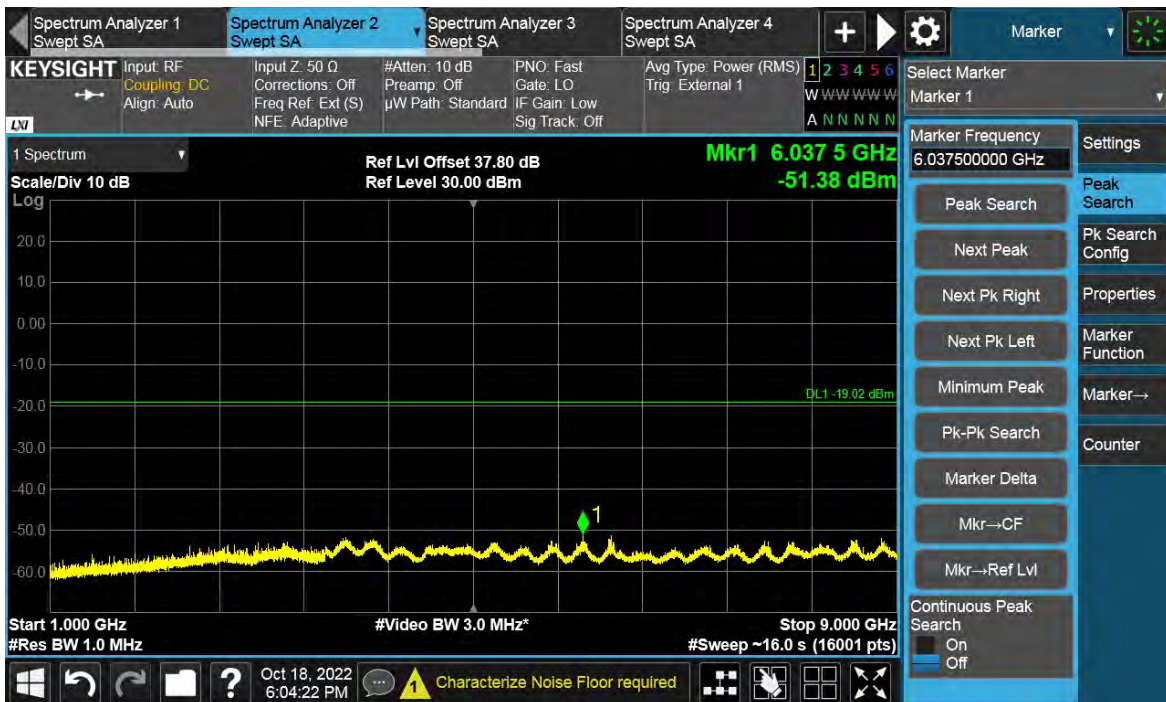
Channel Position B



TEST REPORT

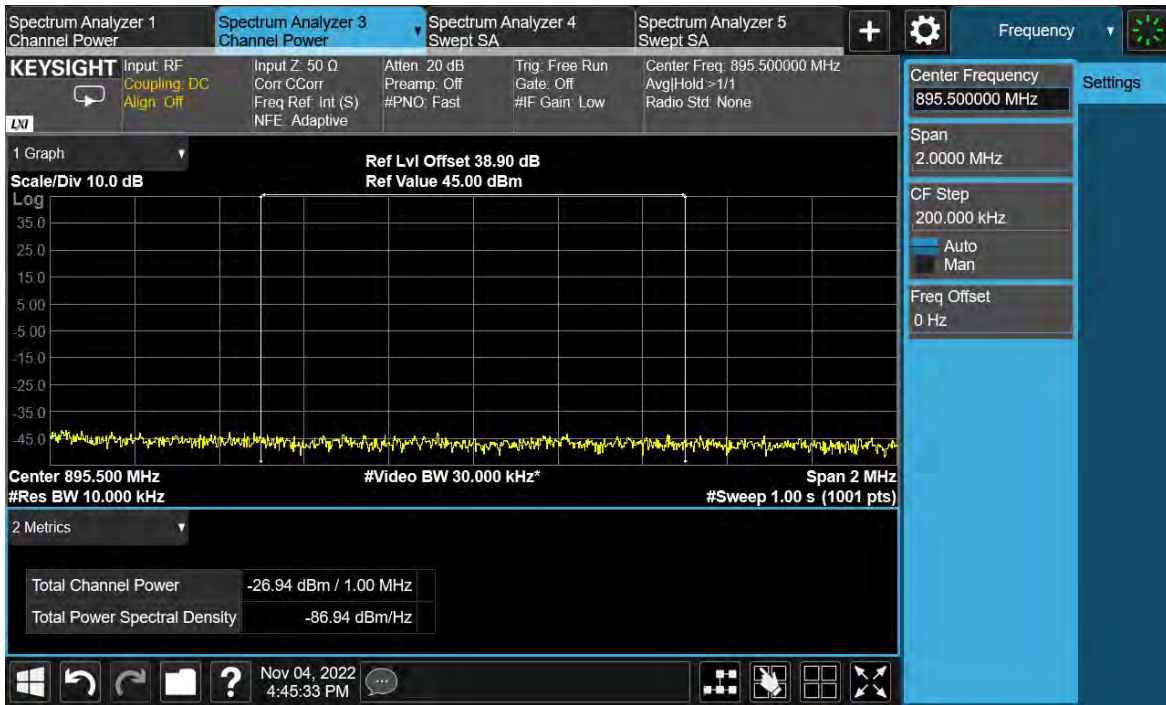


Channel Position T



Total Quality. Assured.

TEST REPORT



NR-1C-UE

Antenna Port	Channel Position	Modulation	Carrier Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	10	1000	-19.02
D	T	QPSK	10	1000	-19.02

Channel Position B

