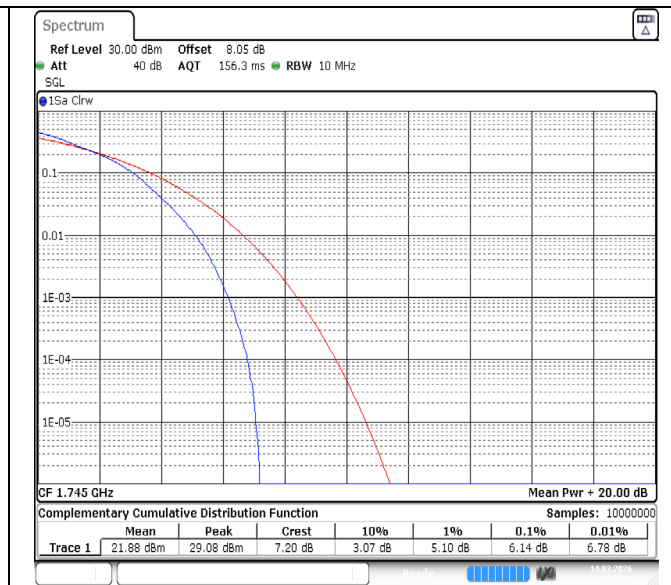
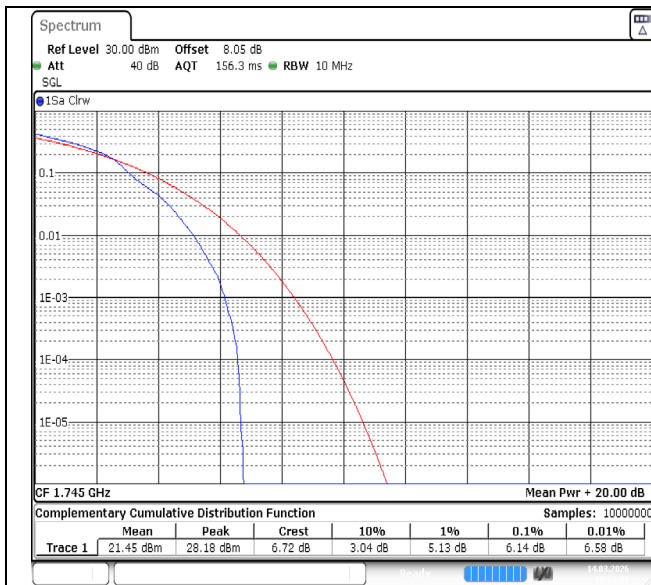
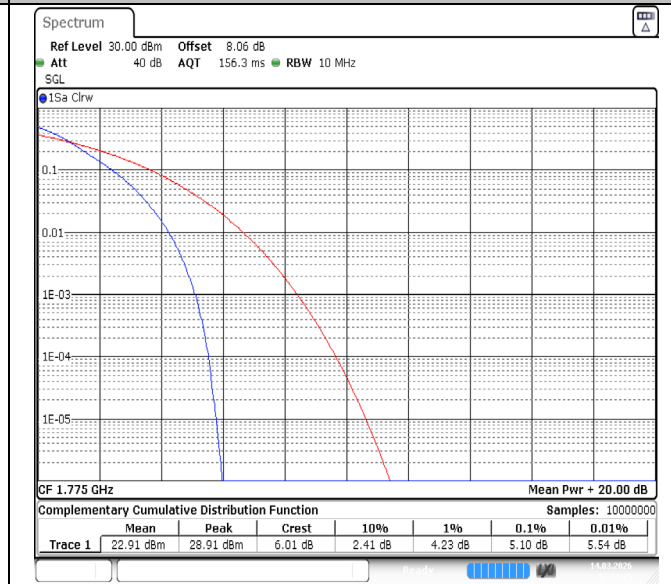
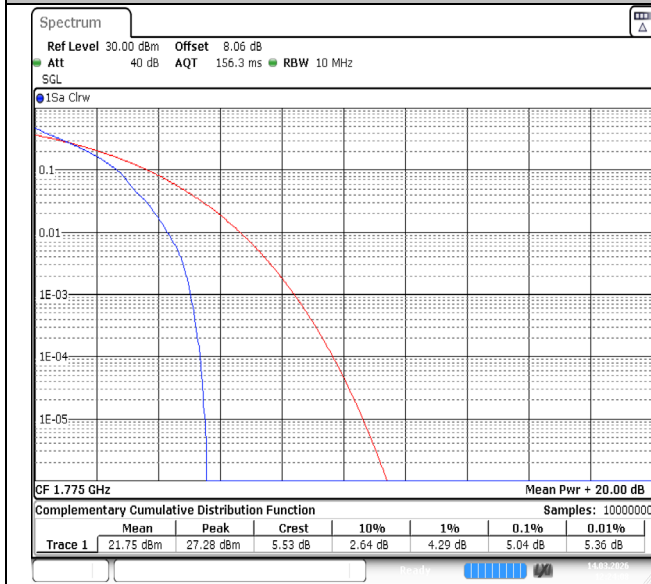


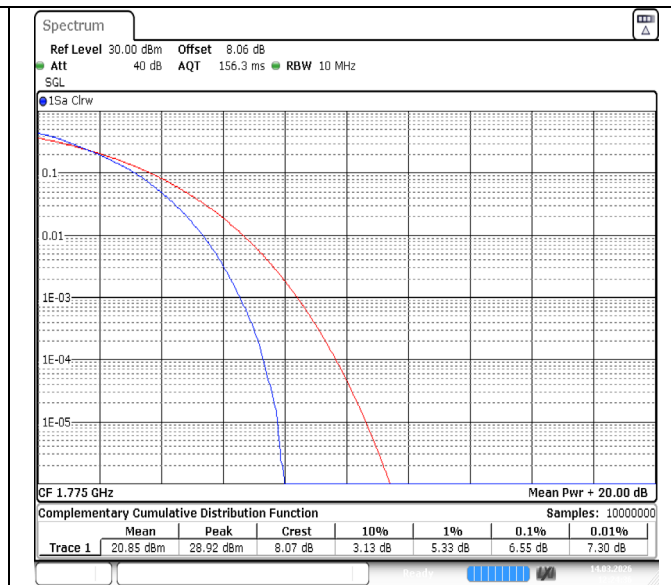
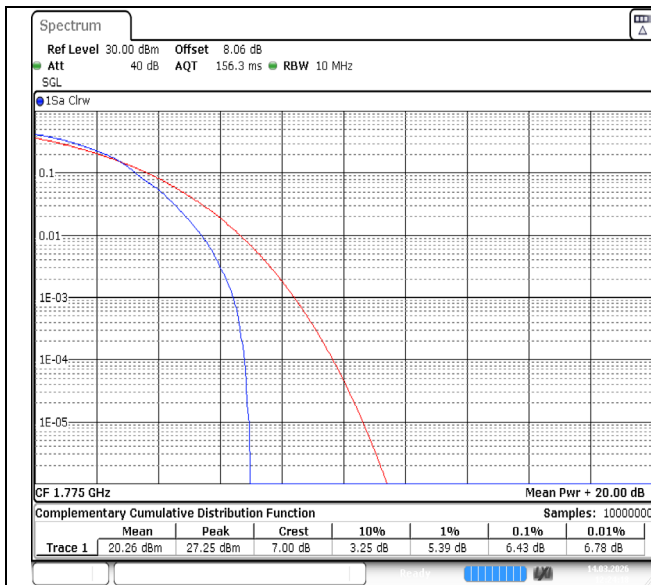


Band66-10MHz-16QAM-132322-1RB#0-PASS



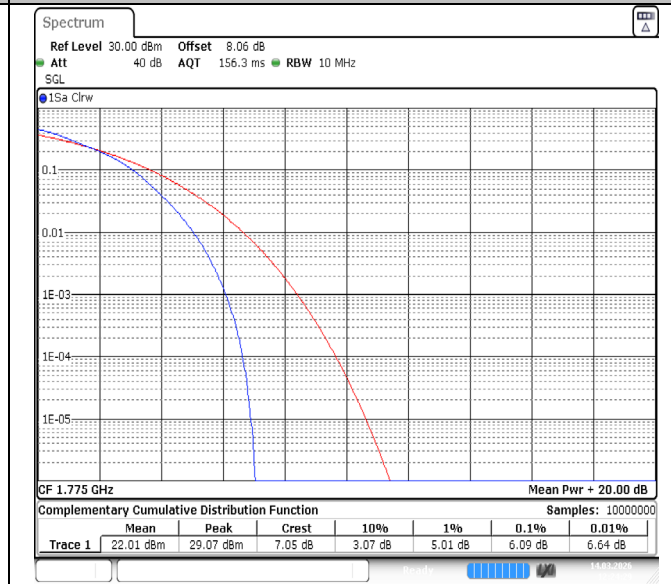
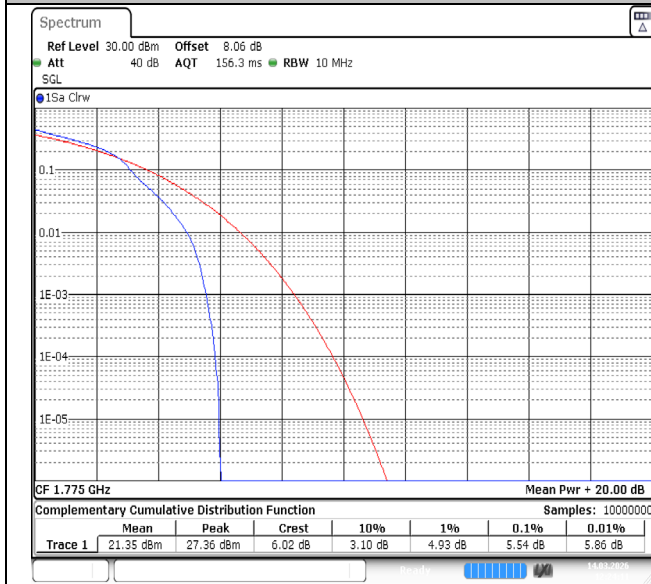
Band66-10MHz-QPSK-132622-1RB#0-PASS

Band66-10MHz-QPSK-132622-50RB#0-PASS



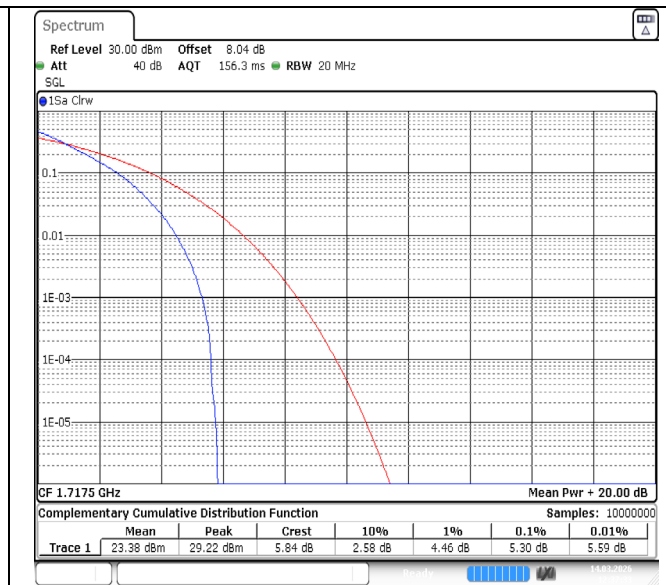
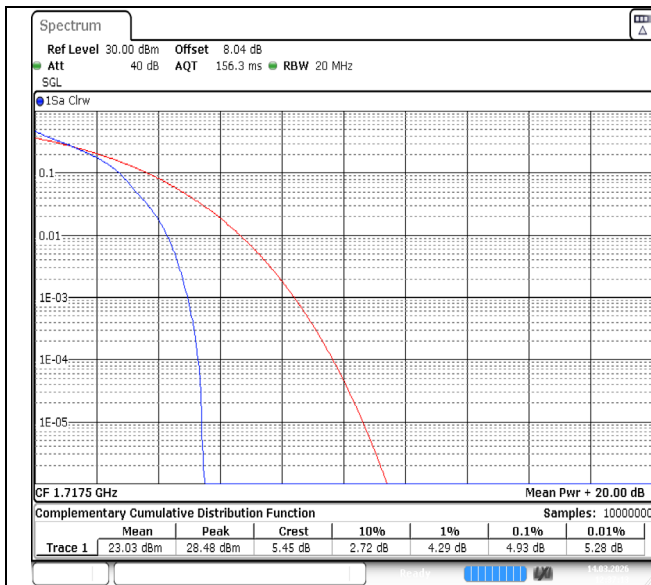
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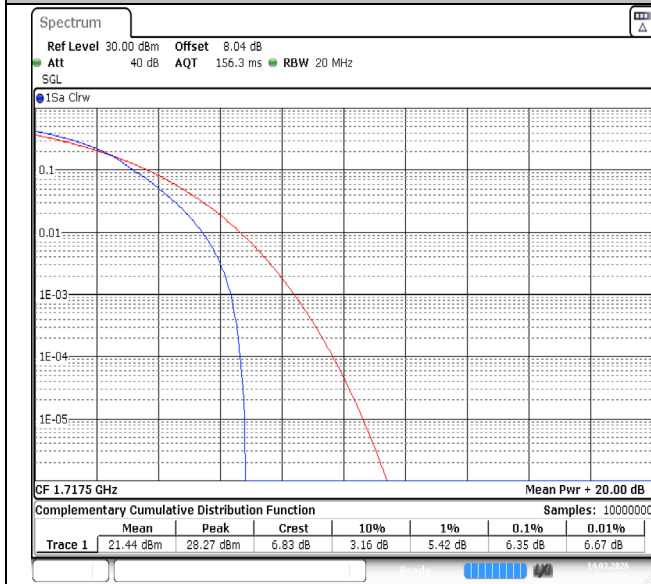


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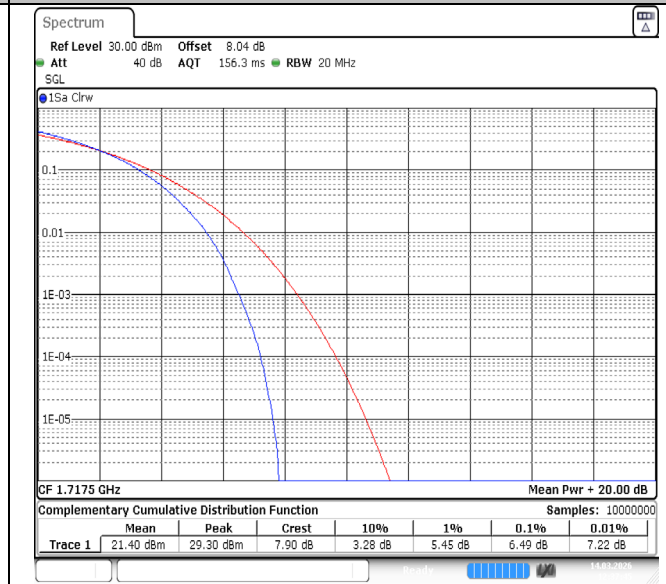
Band66-10MHz-16QAM-132622-50RB#0-PASS



Band66-15MHz-QPSK-132047-1RB#0-PASS

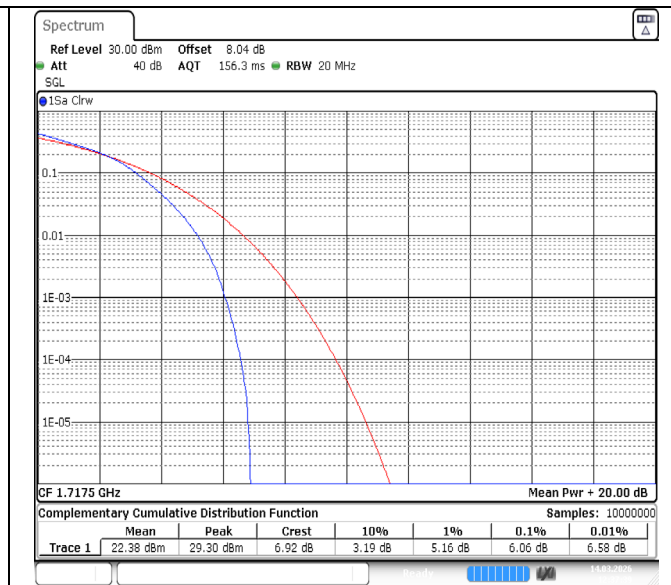
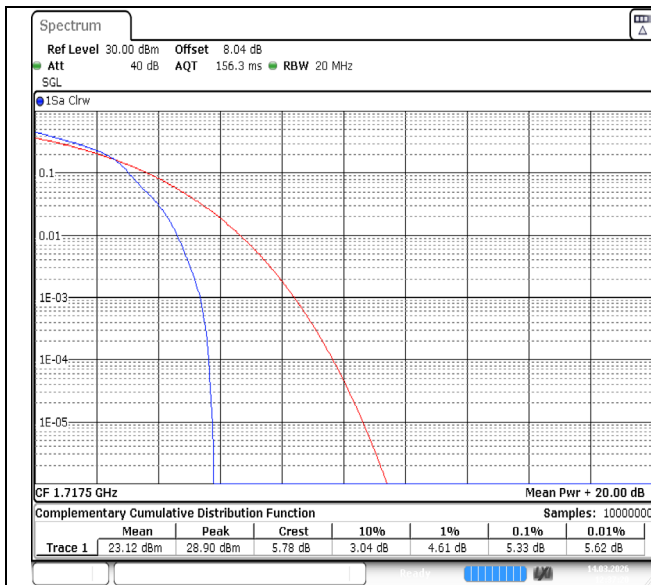


Band66-15MHz-QPSK-132047-75RB#0-PASS

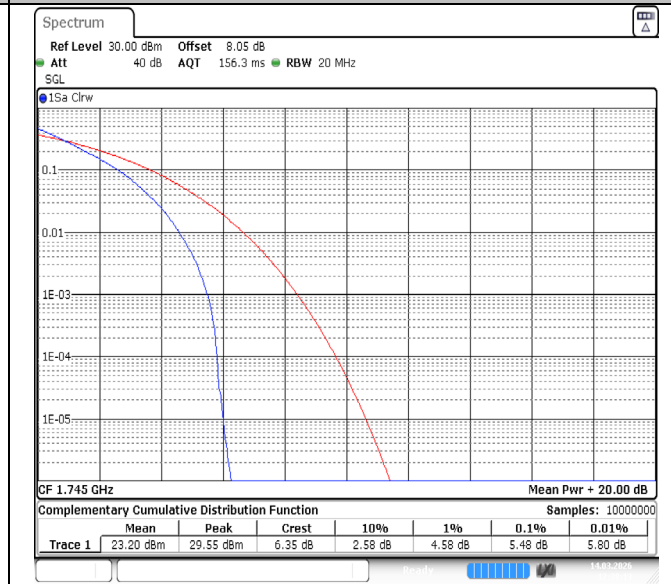
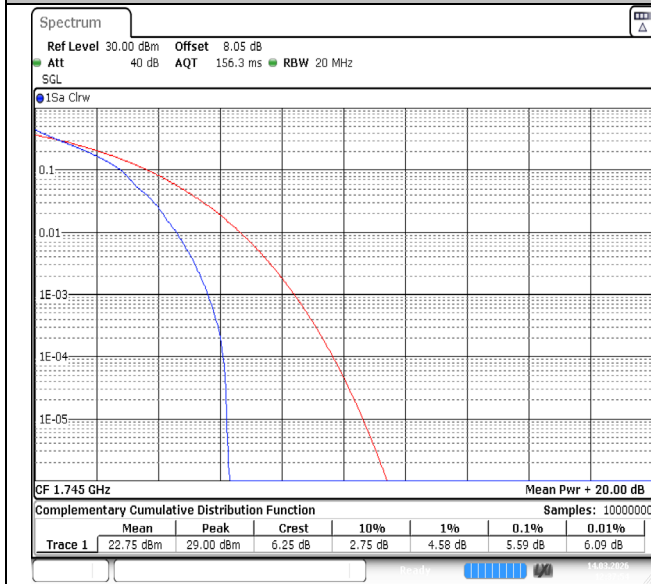


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Band66-15MHz-64QAM-132047-75RB#0-PASS

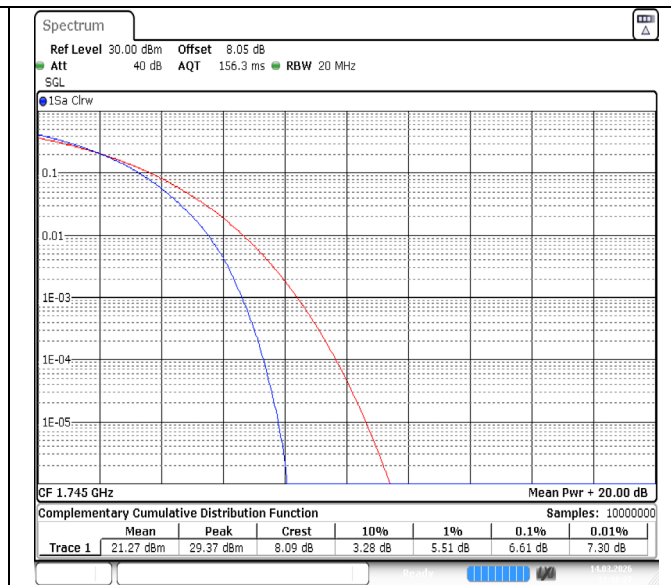
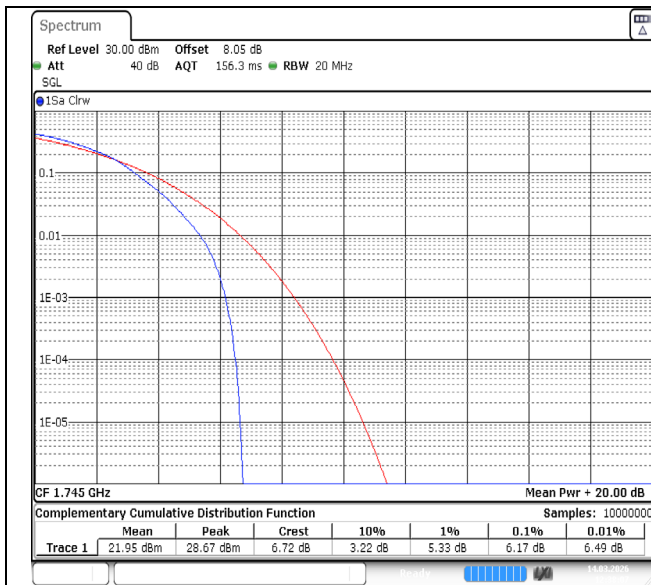


Band66-15MHz-16QAM-132047-1RB#0-PASS

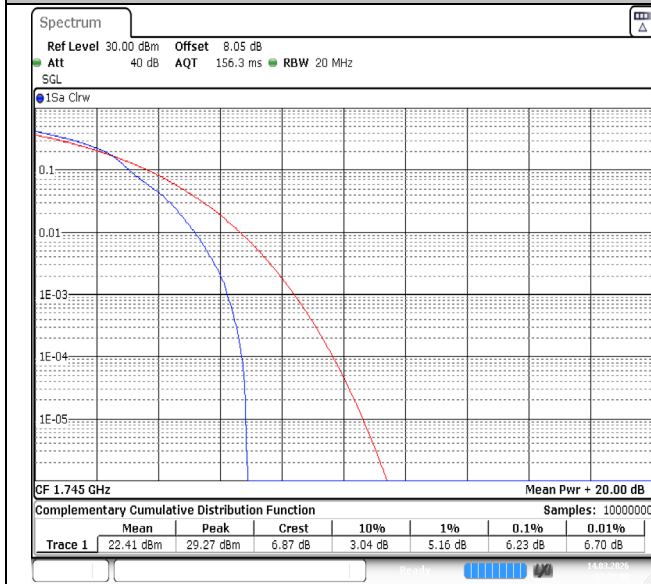


Band66-15MHz-QPSK-132322-1RB#0-PASS

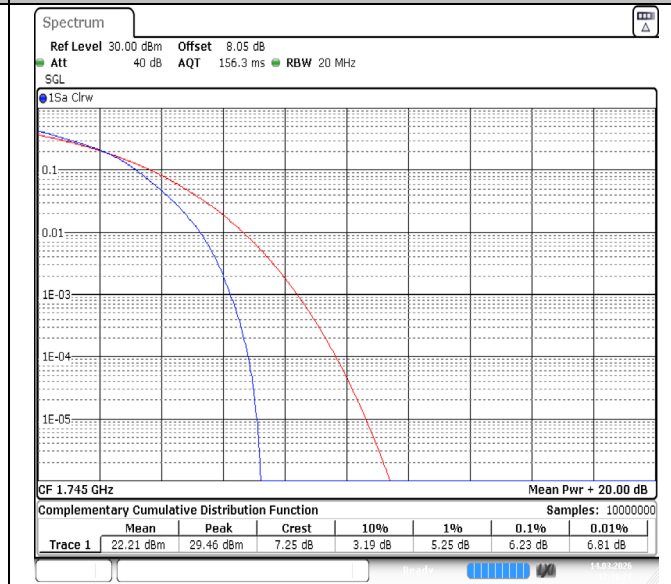
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Band66-15MHz-64QAM-132322-1RB#0-PASS

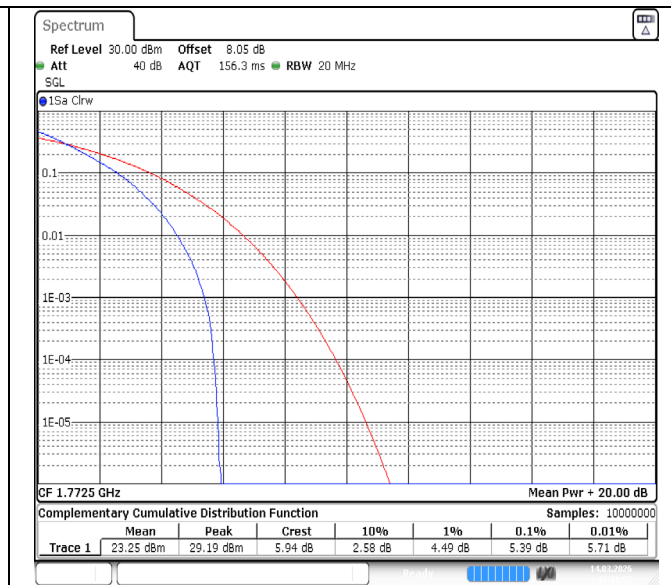
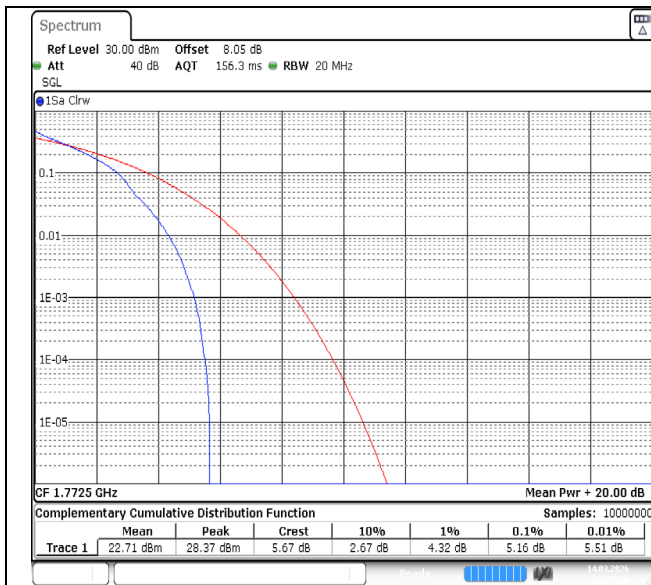


Band66-15MHz-64QAM-132322-75RB#0-PASS

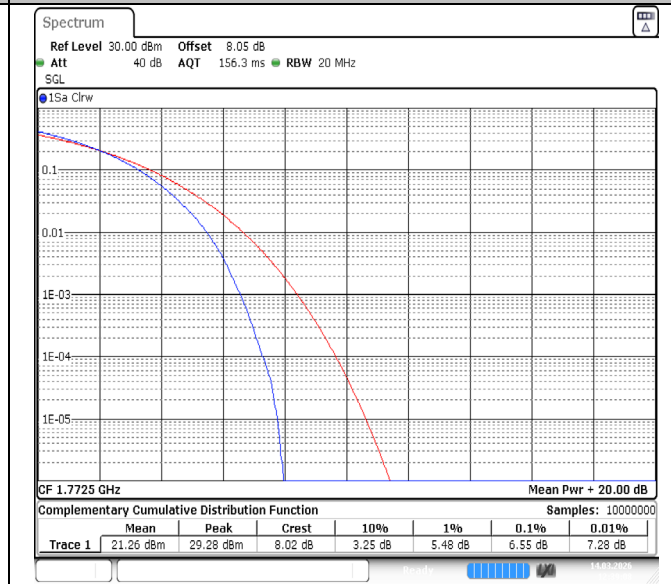
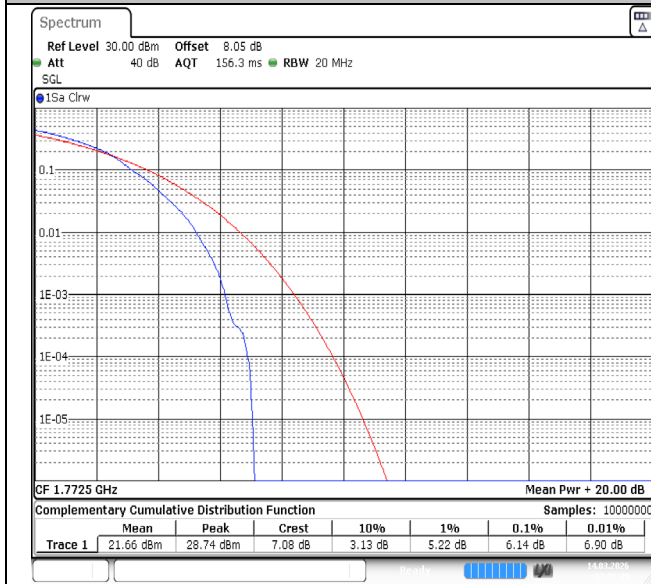


Band66-15MHz-16QAM-132322-1RB#0-PASS

Band66-15MHz-16QAM-132322-75RB#0-PASS

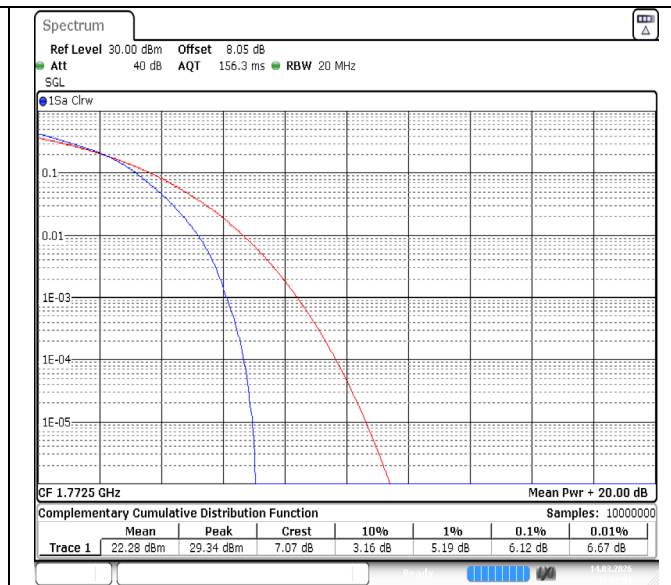
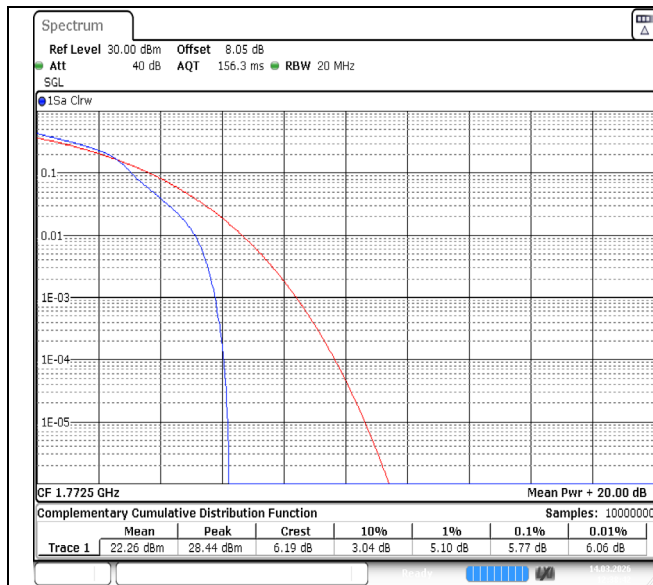


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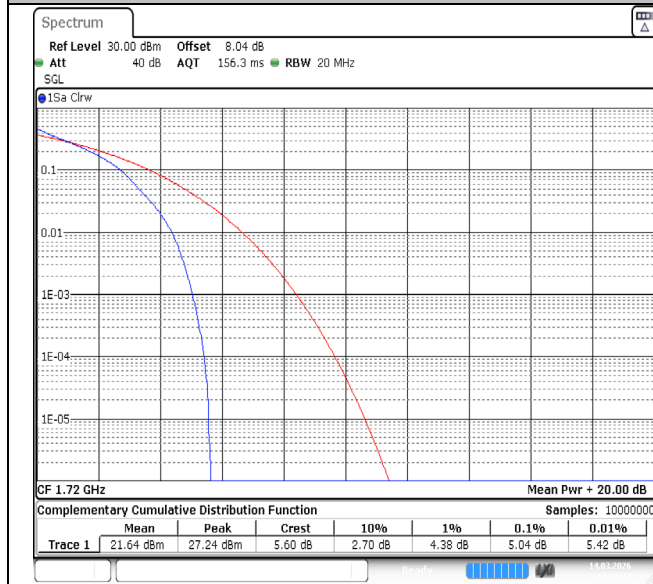


Band66-15MHz-64QAM-132597-1RB#0-PASS

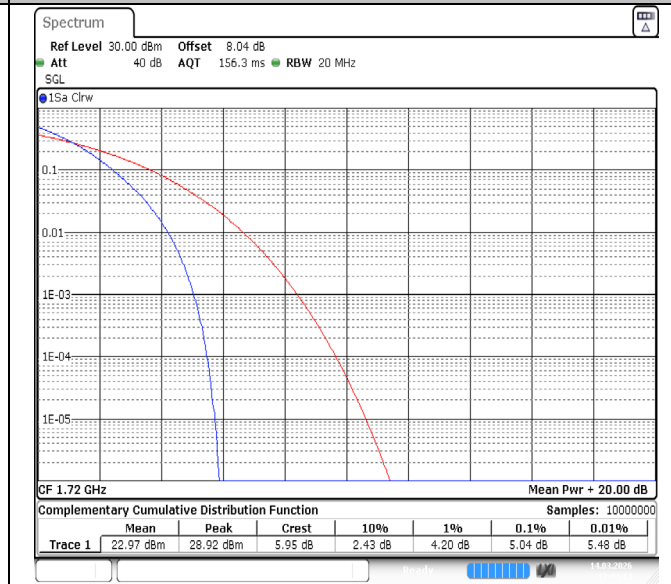
Band66-15MHz-64QAM-132597-75RB#0-PASS



Band66-15MHz-16QAM-132597-1RB#0-PASS

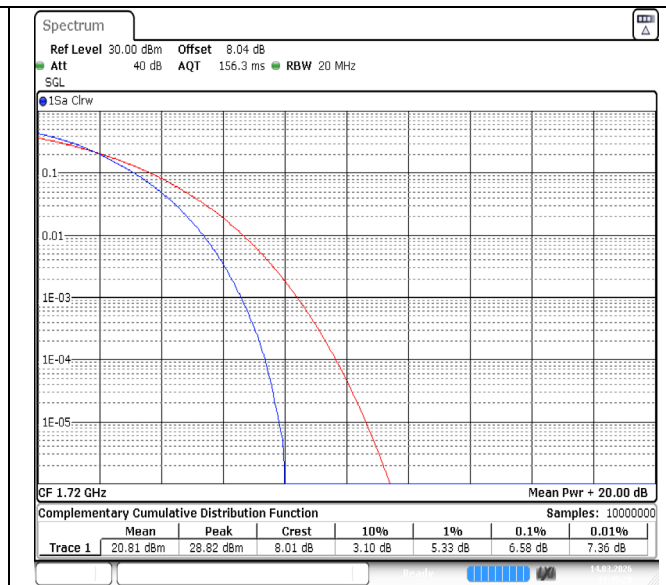
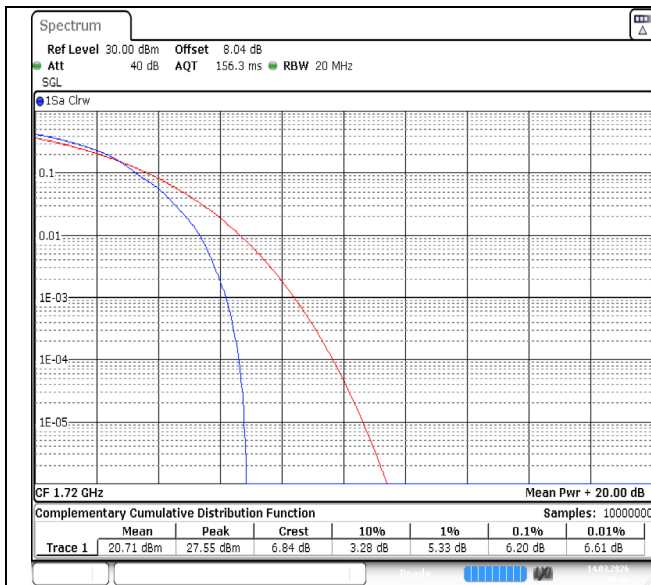


Band66-15MHz-16QAM-132597-75RB#0-PASS



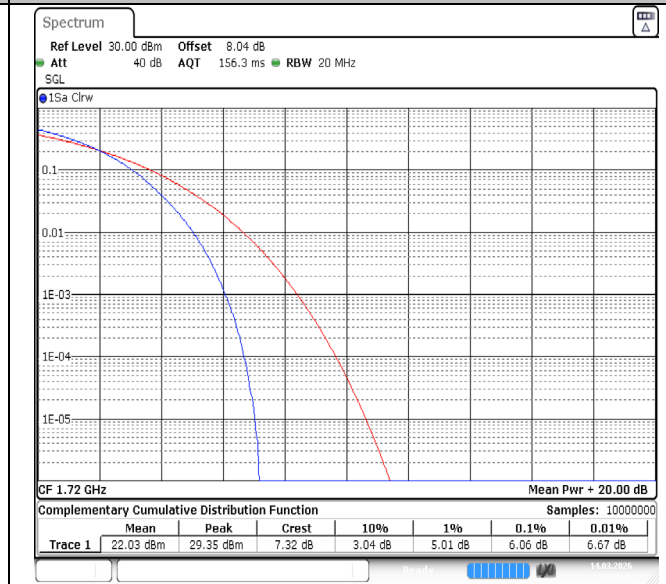
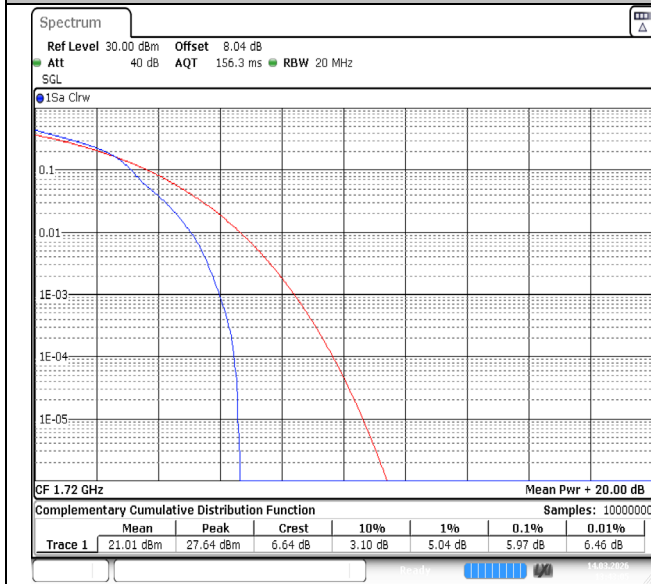
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Band66-20MHz-QPSK-132072-100RB#0-PASS



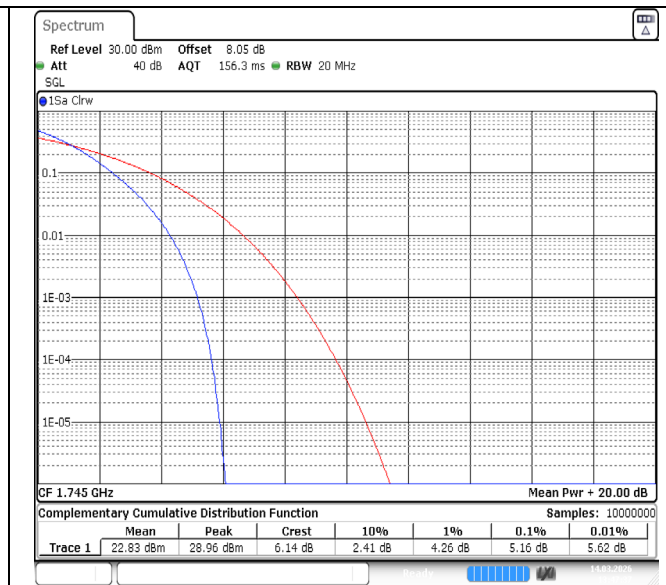
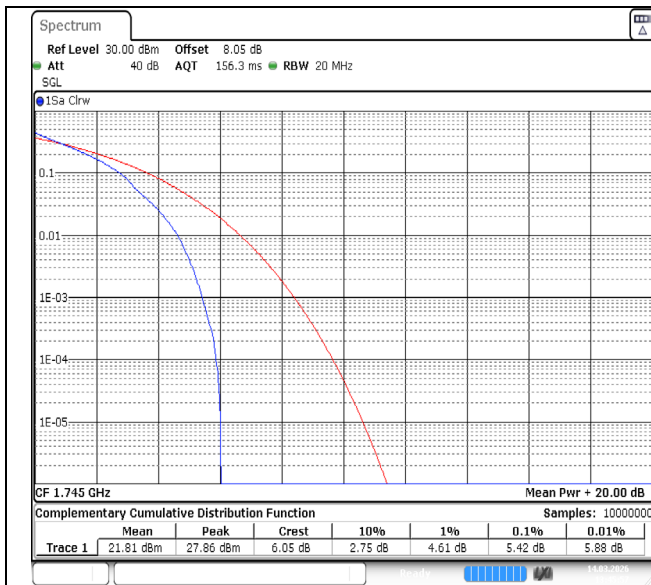
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Band66-20MHz-64QAM-132072-100RB#0-PASS

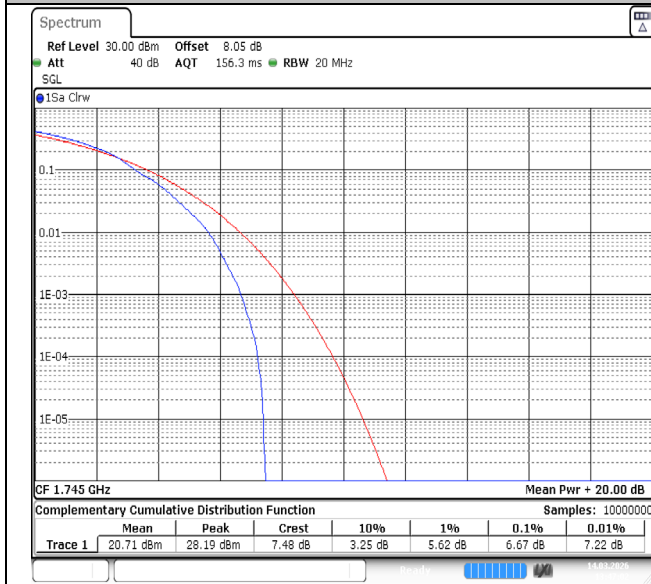


Band66-20MHz-16QAM-132072-1RB#0-PASS

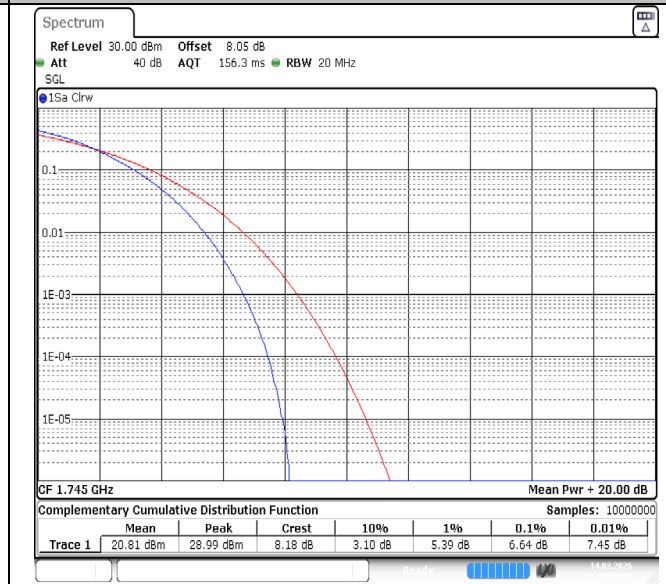
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Band66-20MHz-QPSK-132322-1RB#0-PASS

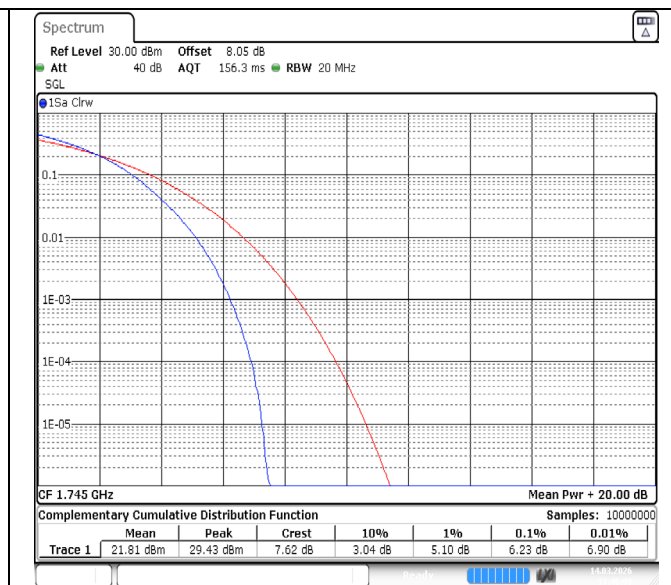
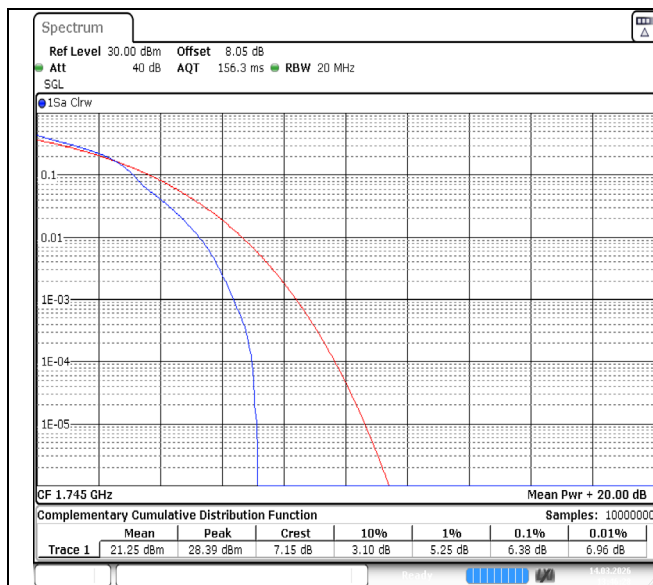


Band66-20MHz-QPSK-132322-100RB#0-PASS

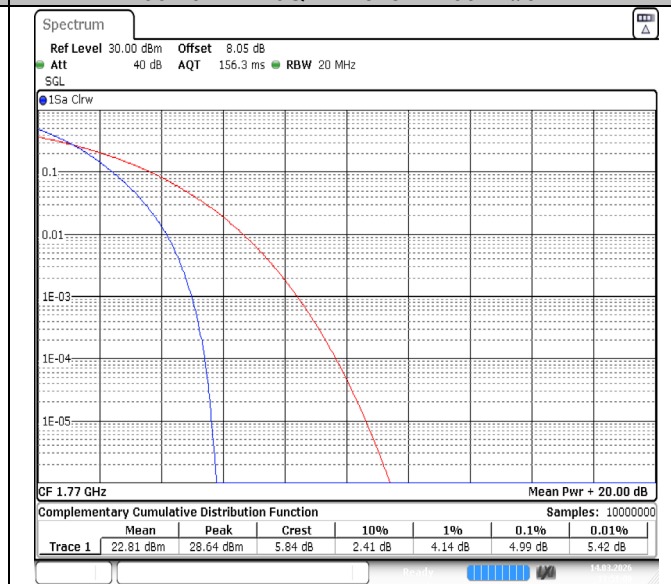
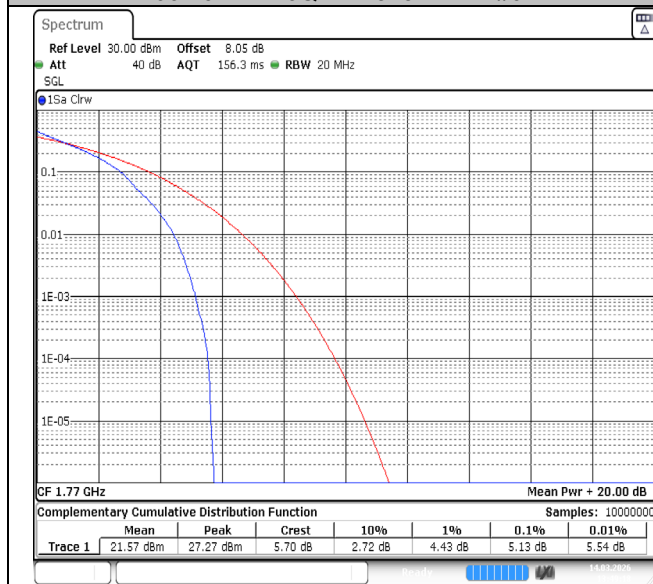


Band66-20MHz-64QAM-132322-1RB#0-PASS

Band66-20MHz-64QAM-132322-100RB#0-PASS



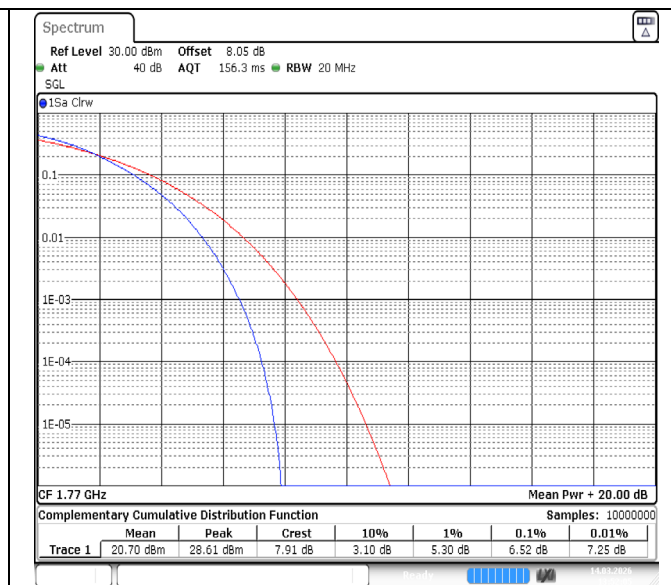
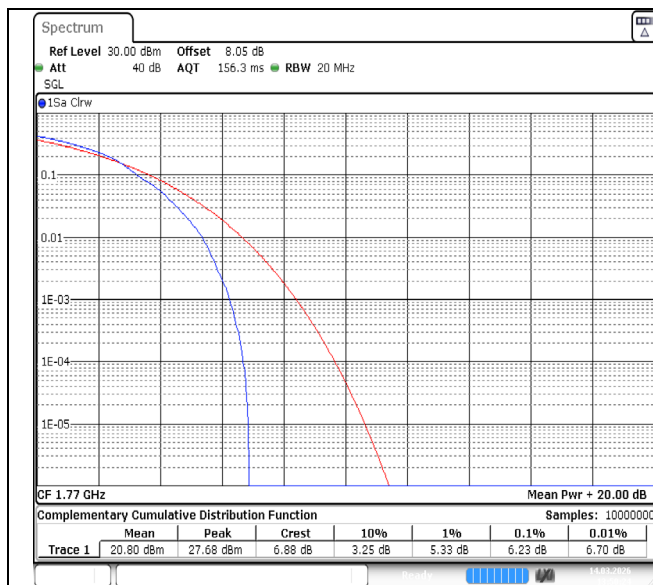
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Band66-20MHz-16QAM-132322-100RB#0-PASS

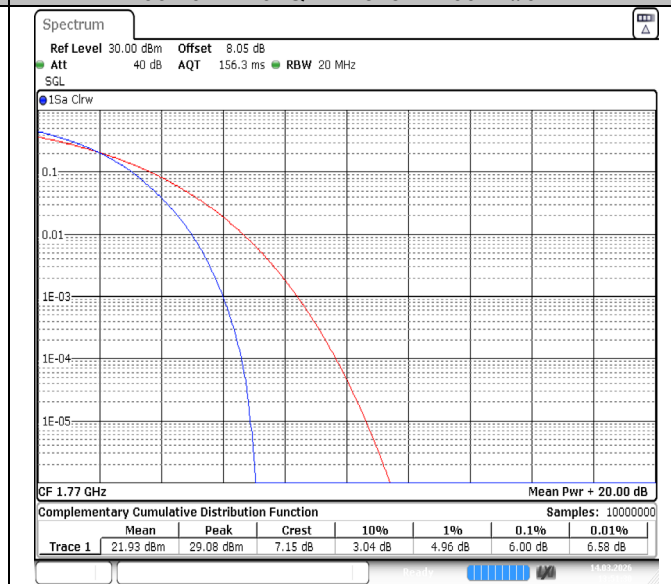
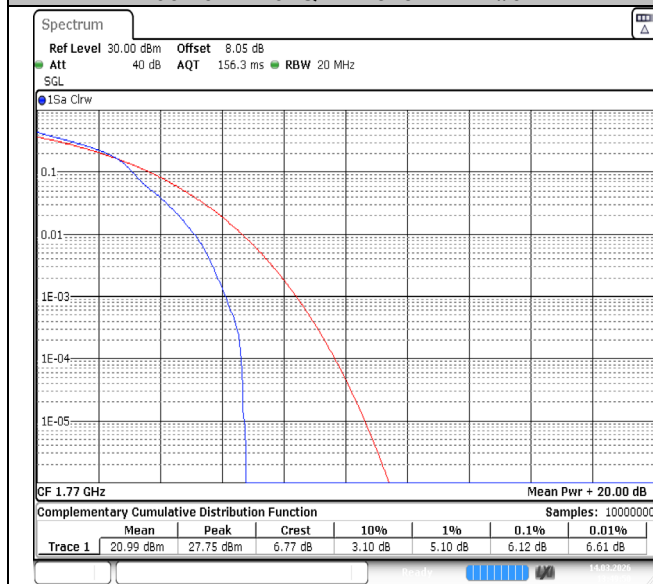
Band66-20MHz-QPSK-132572-1RB#0-PASS

Band66-20MHz-QPSK-132572-100RB#0-PASS



Band66-20MHz-64QAM-132572-1RB#0-PASS

Band66-20MHz-64QAM-132572-100RB#0-PASS



Band66-20MHz-16QAM-132572-1RB#0-PASS

Band66-20MHz-16QAM-132572-100RB#0-PASS

APPENDIX I - FREQUENCY STABILITY

For WCDMA

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band4	1312	VN	NT	1710.3520	1714.4579	1710-1755	PASS
Band4	1312	VL	NT	1710.3421	1714.4579	1710-1755	PASS
Band4	1312	VH	NT	1710.3421	1714.4579	1710-1755	PASS
Band4	1413	VN	NT	1730.5321	1734.6579	1710-1755	PASS
Band4	1413	VL	NT	1730.5421	1734.6480	1710-1755	PASS
Band4	1413	VH	NT	1730.5421	1734.6579	1710-1755	PASS
Band4	1513	VN	NT	1750.5421	1754.6579	1710-1755	PASS
Band4	1513	VL	NT	1750.5421	1754.6480	1710-1755	PASS
Band4	1513	VH	NT	1750.5421	1754.6579	1710-1755	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band4	1312	NV	-30	1710.3421	1714.4579	1710-1755	PASS
Band4	1312	NV	-20	1710.3421	1714.4679	1710-1755	PASS
Band4	1312	NV	-10	1710.3421	1714.4679	1710-1755	PASS
Band4	1312	NV	0	1710.3421	1714.4679	1710-1755	PASS
Band4	1312	NV	10	1710.3421	1714.4579	1710-1755	PASS
Band4	1312	NV	20	1710.3421	1714.4579	1710-1755	PASS
Band4	1312	NV	30	1710.3520	1714.4579	1710-1755	PASS
Band4	1312	NV	40	1710.3520	1714.4579	1710-1755	PASS
Band4	1312	NV	50	1710.3321	1714.4579	1710-1755	PASS
Band4	1413	NV	-30	1730.5421	1734.6579	1710-1755	PASS
Band4	1413	NV	-20	1730.5421	1734.6579	1710-1755	PASS
Band4	1413	NV	-10	1730.5421	1734.6579	1710-1755	PASS
Band4	1413	NV	0	1730.5321	1734.6679	1710-1755	PASS
Band4	1413	NV	10	1730.5321	1734.6579	1710-1755	PASS
Band4	1413	NV	20	1730.5421	1734.6480	1710-1755	PASS
Band4	1413	NV	30	1730.5421	1734.6480	1710-1755	PASS
Band4	1413	NV	40	1730.5421	1734.6579	1710-1755	PASS
Band4	1413	NV	50	1730.5520	1734.6480	1710-1755	PASS
Band4	1513	NV	-30	1750.5421	1754.6579	1710-1755	PASS
Band4	1513	NV	-20	1750.5321	1754.6480	1710-1755	PASS
Band4	1513	NV	-10	1750.5421	1754.6480	1710-1755	PASS
Band4	1513	NV	0	1750.5421	1754.6579	1710-1755	PASS
Band4	1513	NV	10	1750.5421	1754.6480	1710-1755	PASS
Band4	1513	NV	20	1750.5421	1754.6480	1710-1755	PASS
Band4	1513	NV	30	1750.5321	1754.6579	1710-1755	PASS
Band4	1513	NV	40	1750.5421	1754.6579	1710-1755	PASS
Band4	1513	NV	50	1750.5421	1754.6579	1710-1755	PASS

Note: Nominal voltage= 3.92V, Maximum voltage= 4.4V, Minimum voltage= 3.7V.

For LTE

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	1723.5889	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	1723.5889	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	1723.5889	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	1736.0889	1753.9111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	1736.0889	1753.9111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	1736.0889	1753.9111	1710-1755	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	1711.0889	1728.9111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	1723.5889	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	1723.5490	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	1723.5490	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	1723.5889	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	1723.5889	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	1723.5490	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	1723.5490	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	1723.5889	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	1723.5889	1741.4111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	1736.0889	1753.9111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	1736.0889	1753.9111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	1736.0889	1753.9111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	1736.0889	1753.9111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	1736.0889	1753.9111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	1736.0889	1753.9111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	1736.0889	1753.9111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	1736.0889	1753.9111	1710-1755	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	1736.0889	1753.9111	1710-1755	PASS

Note: Nominal voltage= 3.92V, Maximum voltage= 4.4V, Minimum voltage= 3.7V.

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	2501.0889	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	2501.0889	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	2501.0490	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	2526.0889	2543.9111	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	2526.0889	2543.9510	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	2526.0889	2543.9111	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	2551.0490	2568.9111	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	2551.0490	2568.9111	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	2551.0889	2568.9111	2500-2570	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	2501.0490	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	2501.0490	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	2501.0490	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	2501.0889	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	2501.0889	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	2501.0490	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	2501.0490	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	2501.0889	2518.9111	2500-2570	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	2501.0490	2518.8711	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	2526.0889	2543.9111	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	2526.0889	2543.9111	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	2526.0889	2543.9111	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	2526.0889	2543.9510	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	2526.0889	2543.9111	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	2526.0889	2543.9510	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	2526.0889	2543.9111	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	2526.1289	2543.9111	2500-2570	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	2526.0889	2543.9111	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	2551.0490	2568.9111	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	2551.0490	2568.8711	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	2551.0889	2568.8711	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	2551.0490	2568.8711	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	2551.0490	2568.8711	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	2551.0490	2568.8711	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	2551.0889	2568.9111	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	2551.0490	2568.8711	2500-2570	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	2551.0490	2568.9111	2500-2570	PASS

Note: Nominal voltage= 3.92V, Maximum voltage= 4.4V, Minimum voltage= 3.7V.

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	777.5445	786.4755	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	777.5445	786.4555	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	777.5445	786.4755	777-787	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	777.5245	786.4755	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	777.5245	786.4555	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	777.5445	786.4755	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	777.5445	786.4755	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	777.5245	786.4555	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	777.5445	786.4555	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	777.5445	786.4755	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	777.5445	786.4755	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	777.5445	786.4755	777-787	PASS

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	2571.0490	2588.9111	2570-2620	PASS
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	2571.0889	2588.9111	2570-2620	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	2571.0490	2588.9111	2570-2620	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	2586.0889	2603.9111	2570-2620	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	2586.0889	2603.9111	2570-2620	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	2586.0889	2603.9111	2570-2620	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	2601.0889	2618.8711	2570-2620	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	2601.0889	2618.9111	2570-2620	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	2601.0889	2618.9111	2570-2620	PASS

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	2571.0490	2588.9111	2570-2620	PASS
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	2571.0889	2588.9111	2570-2620	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	2571.0490	2588.9111	2570-2620	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	2586.0889	2603.9111	2570-2620	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	2586.0889	2603.9111	2570-2620	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	2586.0889	2603.9111	2570-2620	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	2601.0889	2618.8711	2570-2620	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	2601.0889	2618.9111	2570-2620	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	2601.0889	2618.9111	2570-2620	PASS

Note: Nominal voltage= 3.92V, Maximum voltage= 4.4V, Minimum voltage= 3.7V.