

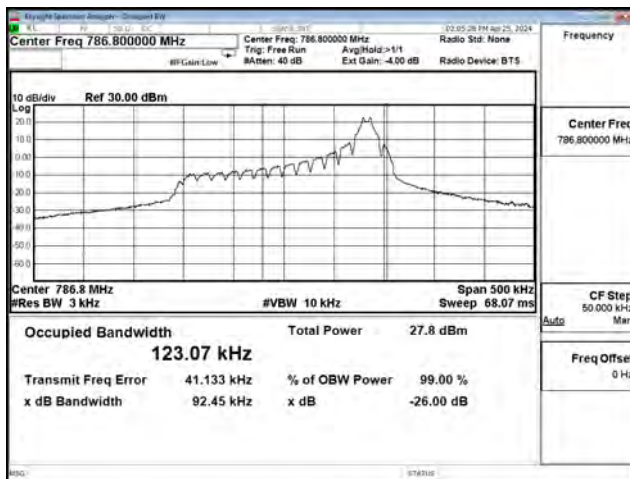
BPSK_CH23182_15k_1RB0



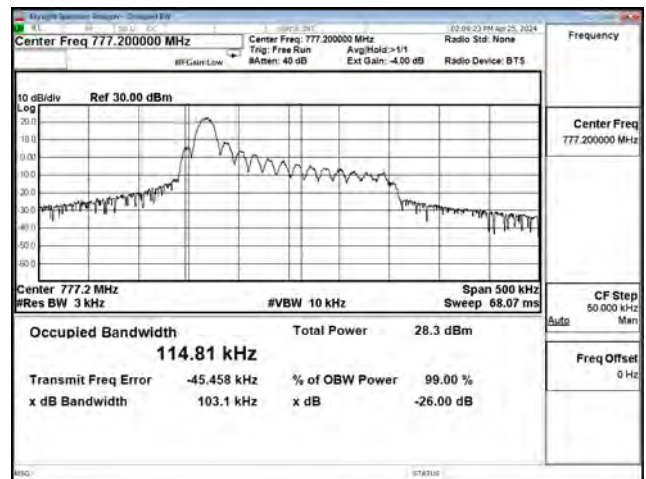
BPSK_CH28230_15k_1RB0



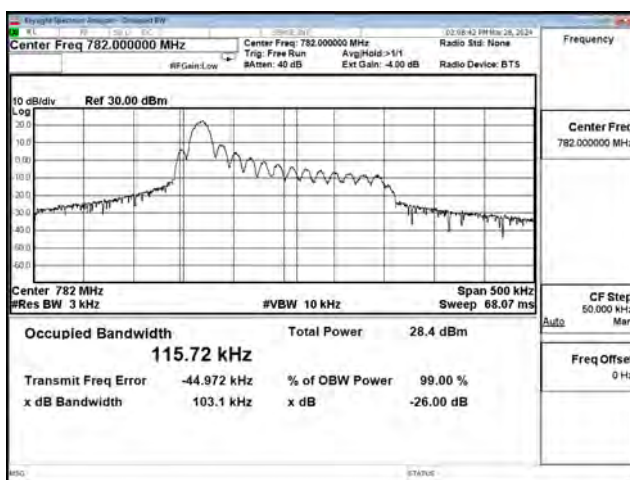
BPSK_CH23278_15k_1RB11



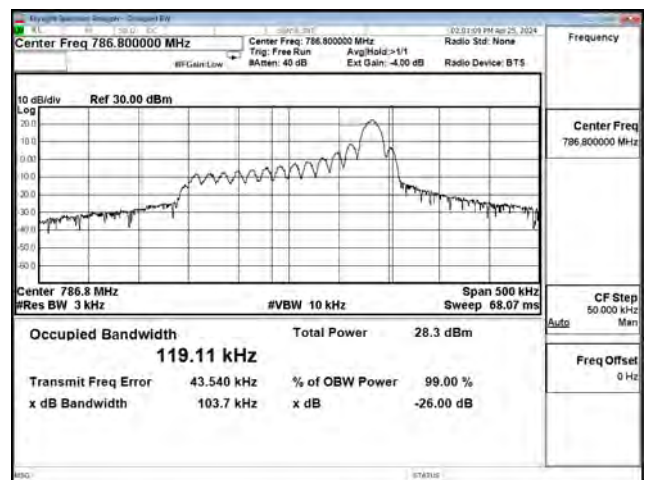
QPSK_CH23182_15k_1RB0



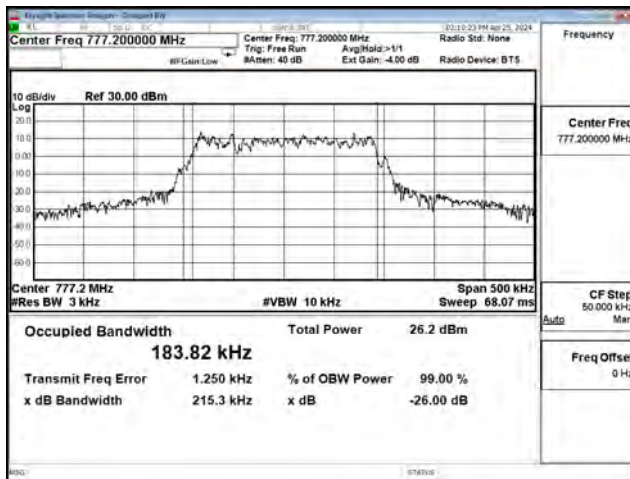
QPSK_CH23230_15k_1RB0



QPSK_CH23278_15k_1RB11



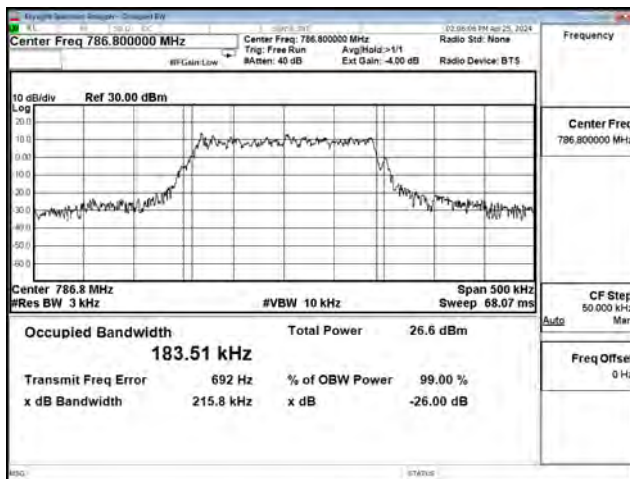
QPSK_CH23182_15k_12RB0



QPSK_CH23230_15k_12RB0



QPSK_CH23278_15k_12RB0

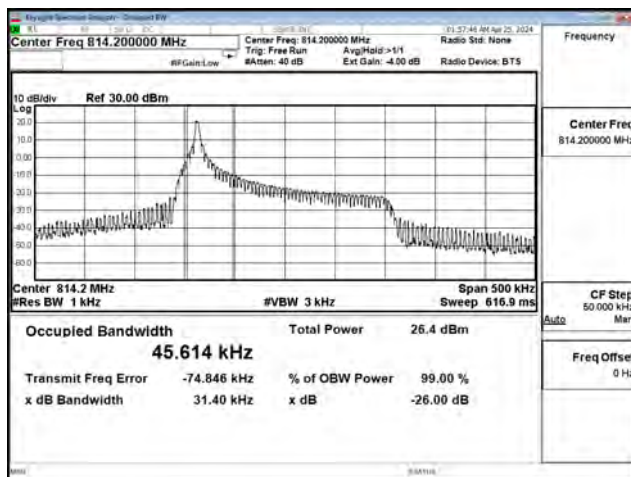


Mode 12: LTE NB-IoT 1 Band 26

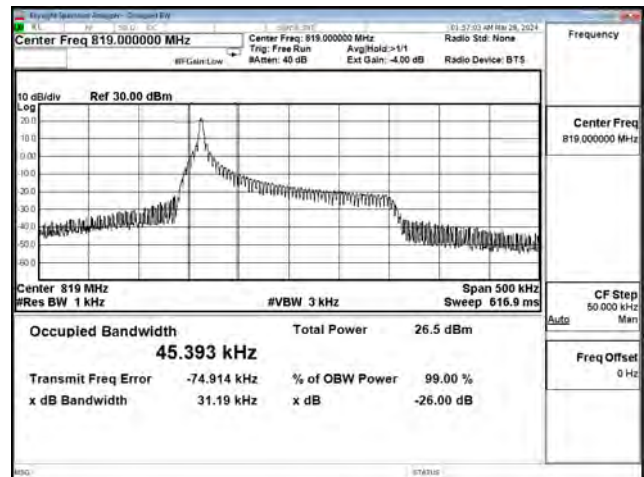
Channel	Freq. (MHz)	Modulation	SCS (kHz)	RB No.	RB offset	Measure Level (kHz)		Limit (MHz)
						26dB BW	99% BW	
26692	814.2	BPSK	3.75	1	0	31.400	45.614	NA
			15	1	0	92.720	121.120	NA
		QPSK	3.75	1	0	33.440	43.735	NA
			15	1	0	103.300	118.310	NA
				12	0	215.700	183.680	NA
26740	819	BPSK	3.75	1	0	31.190	45.393	NA
			15	1	0	99.010	121.330	NA
		QPSK	3.75	1	0	34.070	45.635	NA
			15	1	0	104.400	116.880	NA
				12	0	216.400	183.570	NA
26788	823.8	BPSK	3.75	1	47	30.700	45.490	NA
			15	1	11	91.750	121.600	NA
		QPSK	3.75	1	47	30.250	44.300	NA
			15	1	11	103.600	114.880	NA
				12	0	216.200	183.860	NA

Mode 12: LTE NB-IoT 1 Band 26

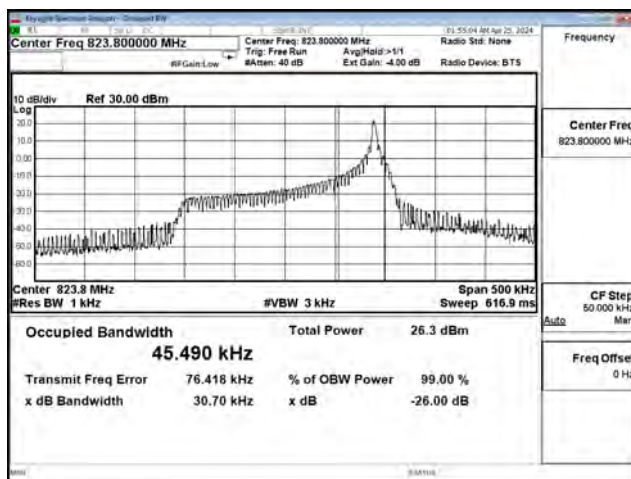
BPSK_CH26692_3.75k_1RB0



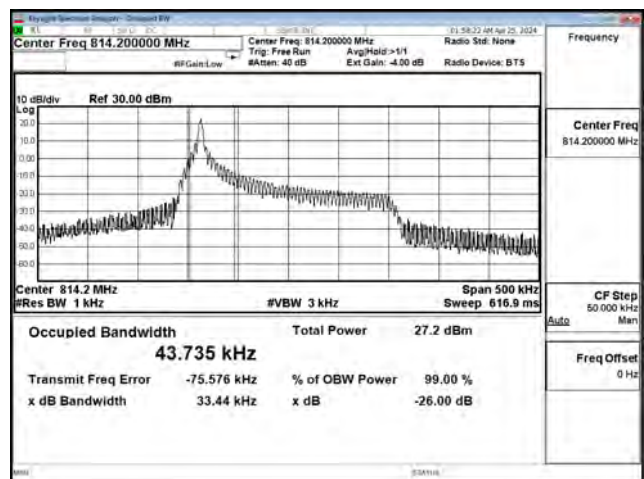
BPSK_CH26740_3.75k_1RB0



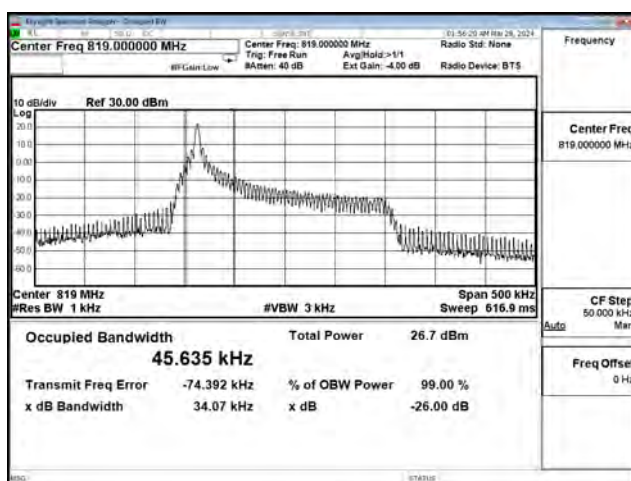
BPSK_CH26788_3.75k_1RB47



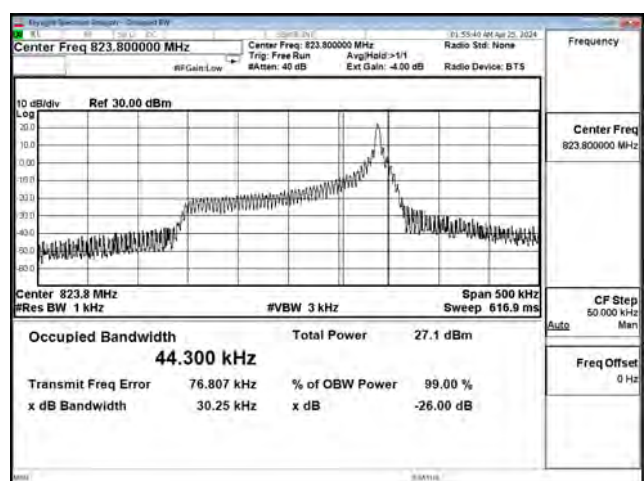
QPSK_CH26692_3.75k_1RB0



QPSK_CH26740_3.75k_1RB0



QPSK_CH26788_3.75k_1RB47



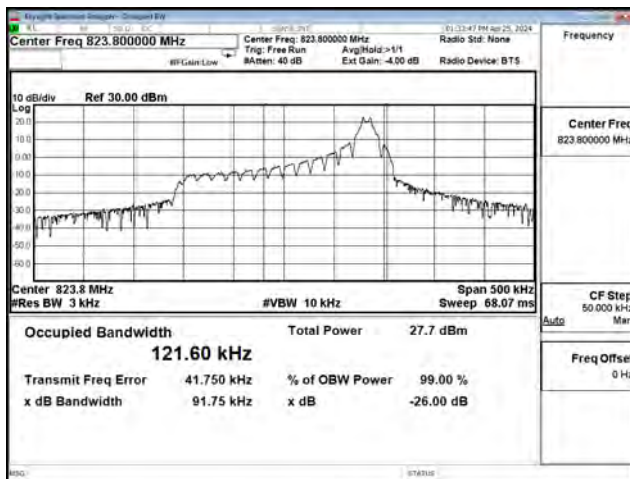
BPSK_CH26692_15k_1RB0



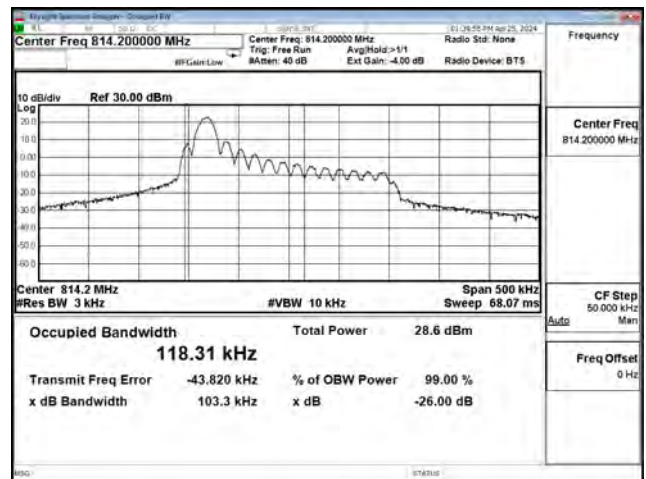
BPSK_CH26740_15k_1RB0



BPSK_CH26788_15k_1RB11



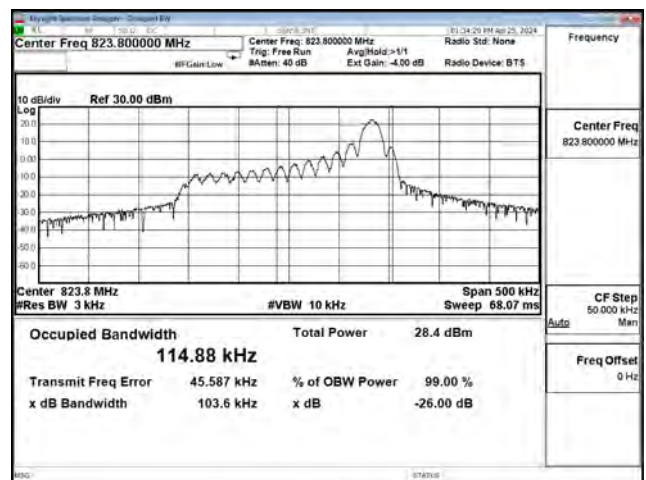
QPSK_CH26692_15k_1RB0



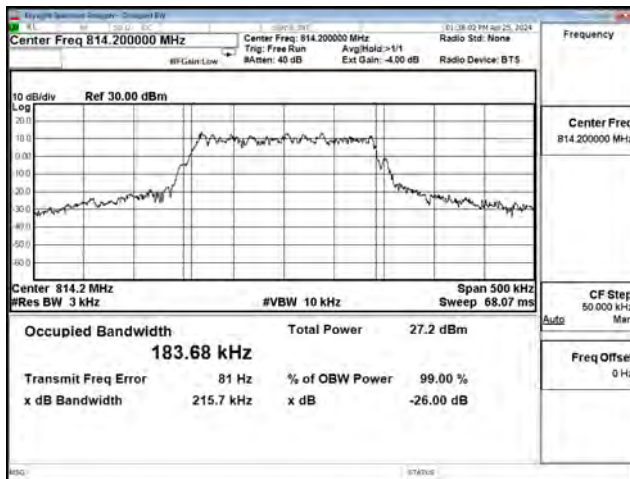
QPSK_CH26740_15k_1RB0



QPSK_CH26788_15k_1RB11



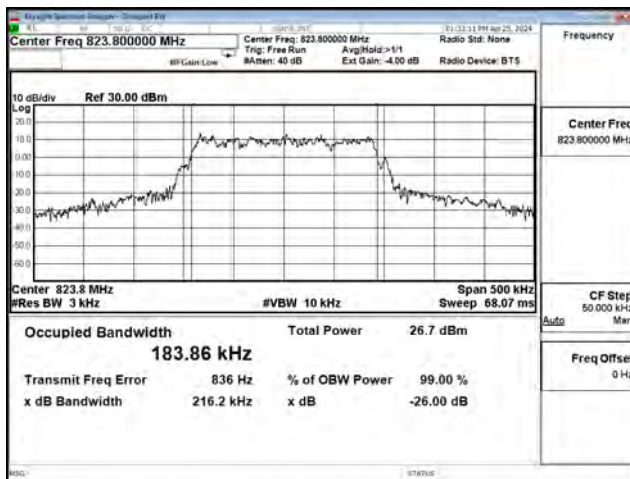
QPSK_CH26692_15k_12RB0



QPSK_CH26740_15k_12RB0



QPSK_CH26788_15k_12RB0

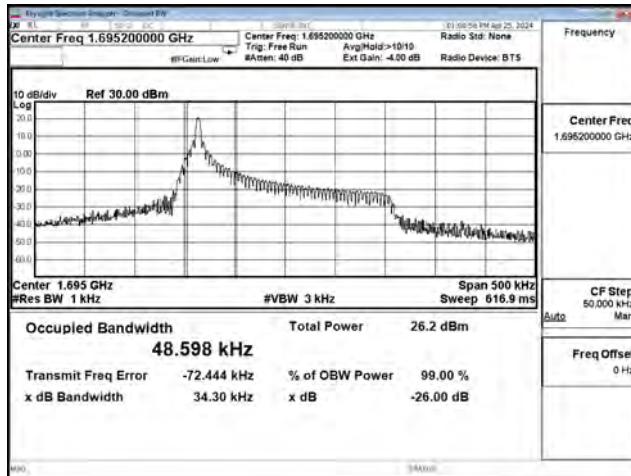


Mode 13: LTE NB-IoT Band 70

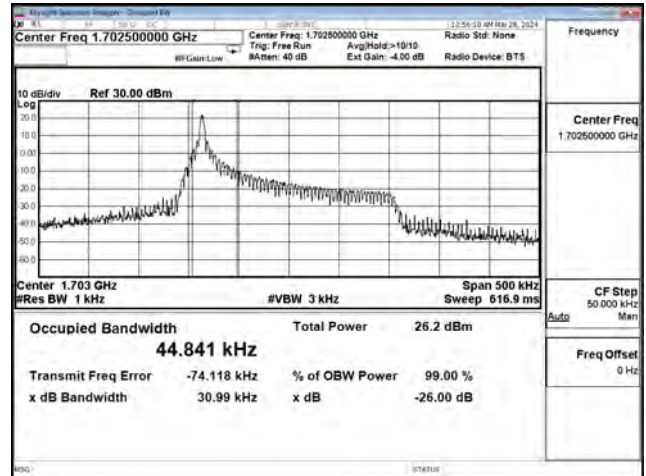
Channel	Freq. (MHz)	Modulation	SCS (kHz)	RB No.	RB offset	Measure Level (kHz)		Limit (MHz)
						26dB BW	99% BW	
132974	1695.2	BPSK	3.75	1	0	34.300	48.598	NA
			15	1	0	90.590	120.600	NA
		QPSK	3.75	1	0	30.610	45.247	NA
			15	1	0	102.500	112.060	NA
				12	0	216.200	184.250	NA
133047	1702.5	BPSK	3.75	1	0	30.990	44.841	NA
			15	1	0	92.290	120.870	NA
		QPSK	3.75	1	0	34.420	45.194	NA
			15	1	0	103.100	113.390	NA
				12	0	215.500	184.590	NA
133120	1709.8	BPSK	3.75	1	47	34.100	46.005	NA
			15	1	11	91.830	120.340	NA
		QPSK	3.75	1	47	33.970	43.508	NA
			15	1	11	116.600	116.640	NA
				12	0	214.500	183.190	NA

Mode 13: LTE NB-IoT Band 70

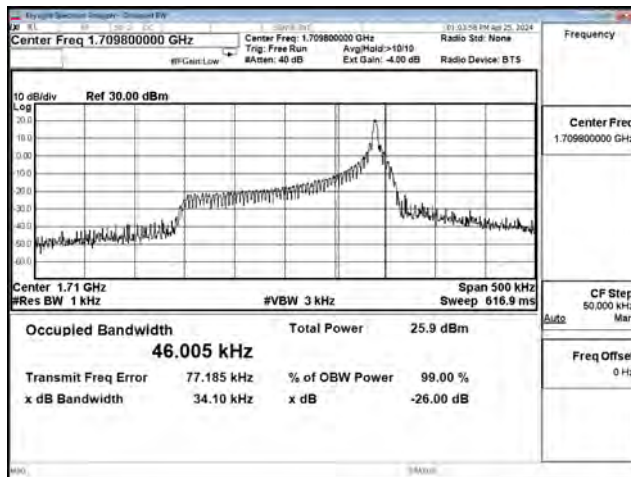
BPSK_CH132974_3.75k_1RB0



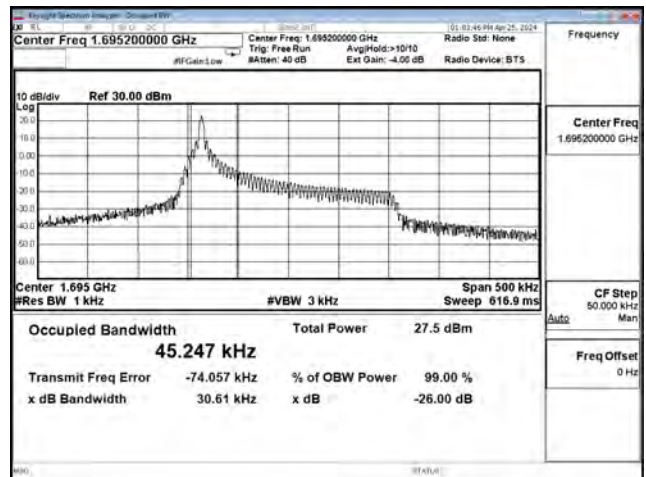
BPSK_CH133074_3.75k_1RB0



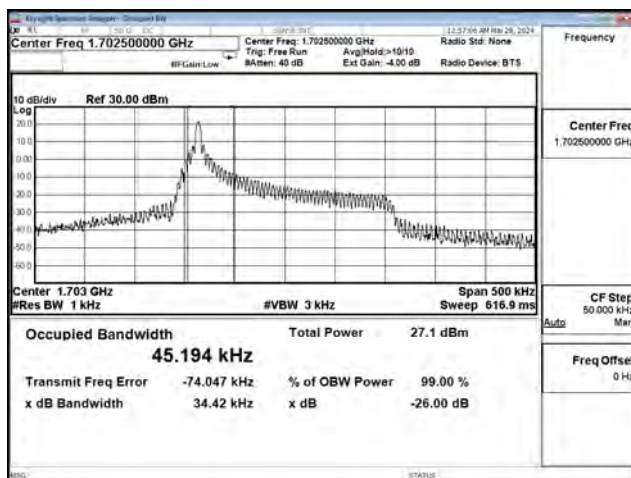
BPSK_CH133120_3.75k_1RB47



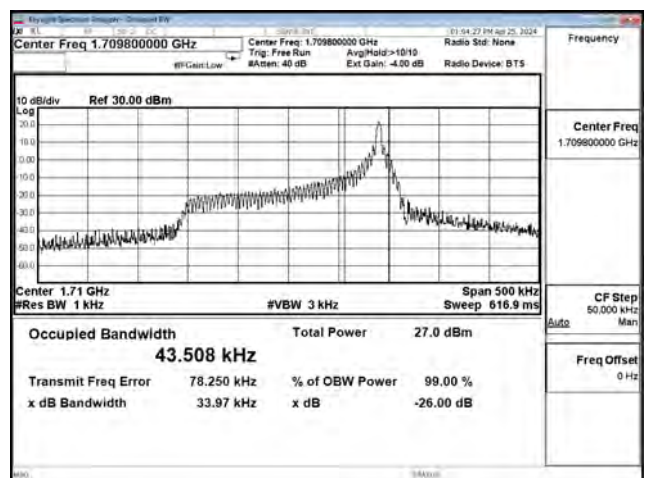
QPSK_CH132974_3.75k_1RB0



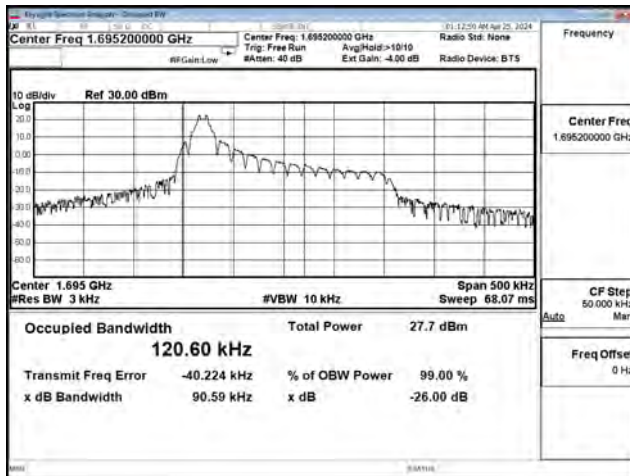
QPSK_CH133047_3.75k_1RB0



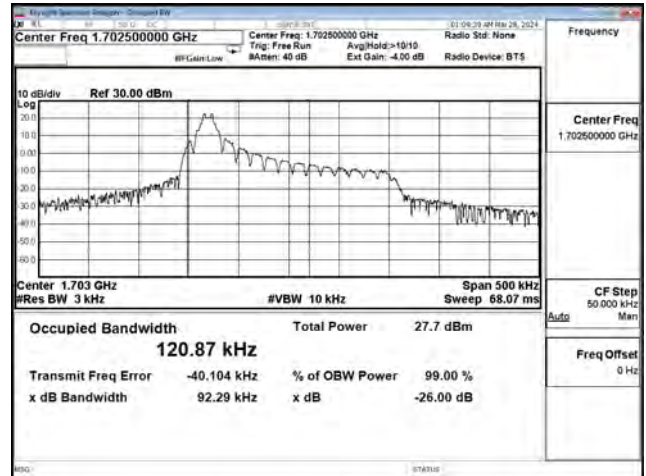
QPSK_CH133120_3.75k_1RB47



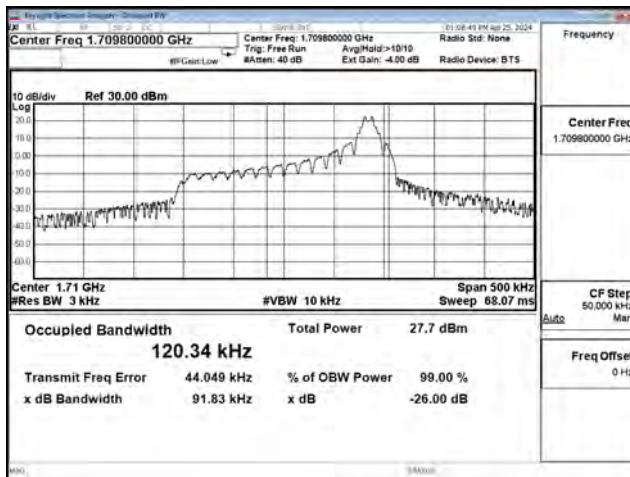
BPSK_CH132974_15k_1RB0



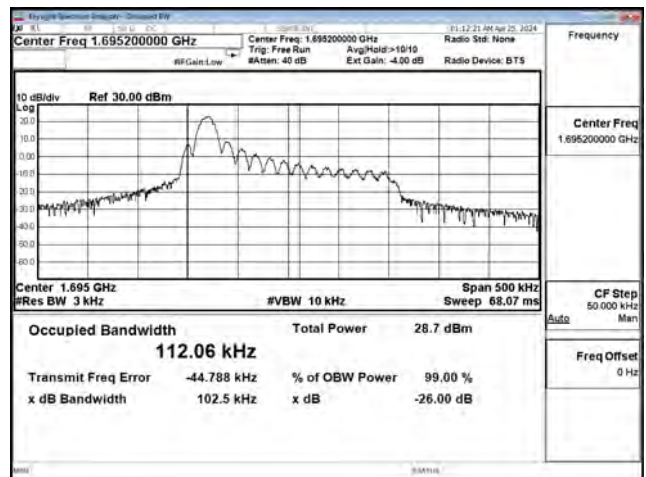
BPSK_CH133047_15k_1RB0



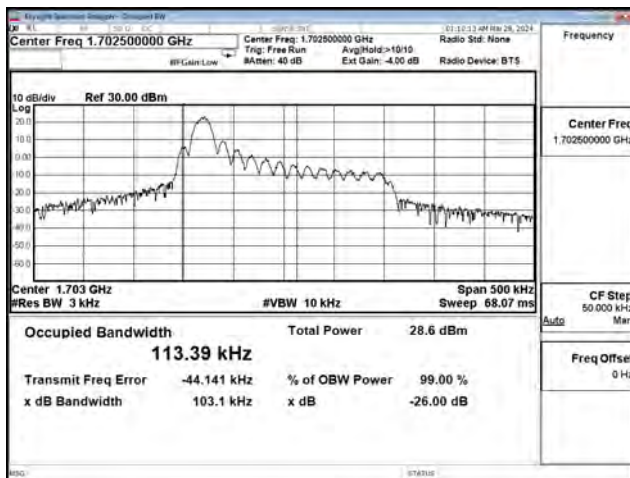
BPSK_CH133120_15k_1RB11



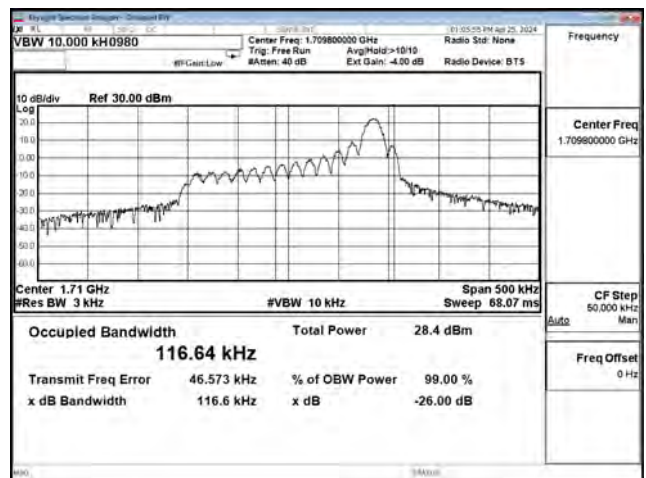
QPSK_CH132974_15k_1RB0



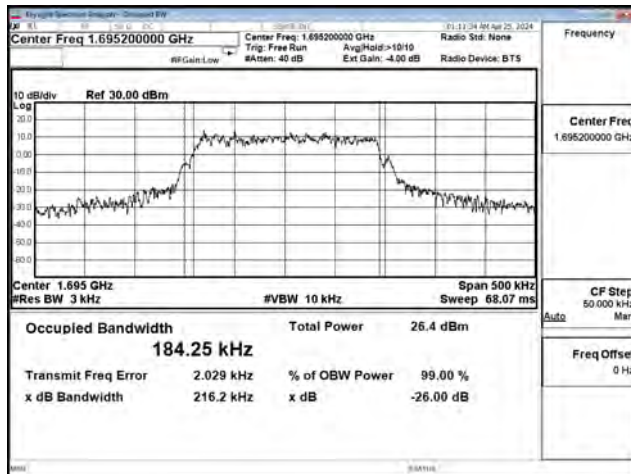
QPSK_CH133047_15k_1RB0



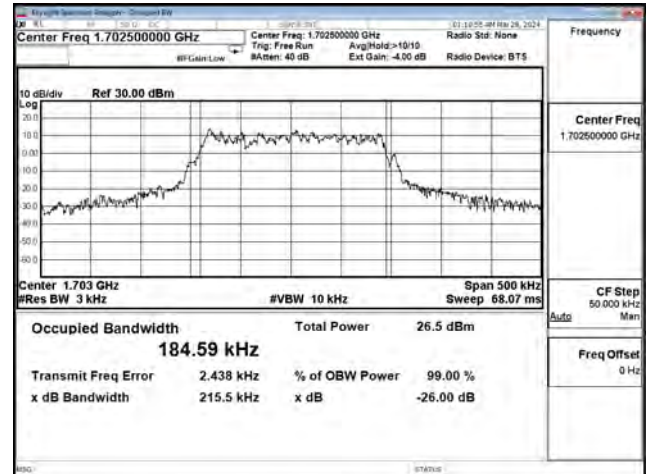
QPSK_CH133120_15k_1RB11



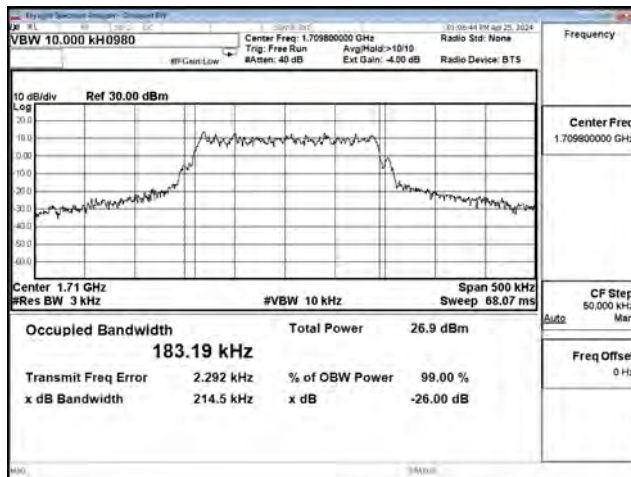
QPSK_CH132974_15k_12RB0



QPSK_CH133047_15k_12RB0



QPSK_CH133120_15k_12RB0

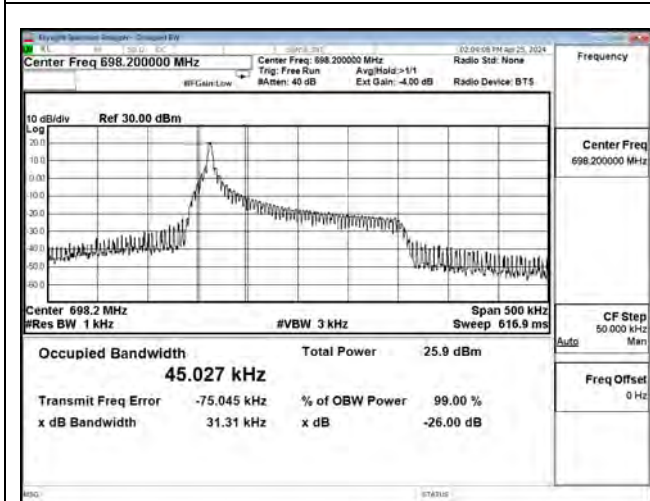


Mode 14: LTE NB-IoT Band 85

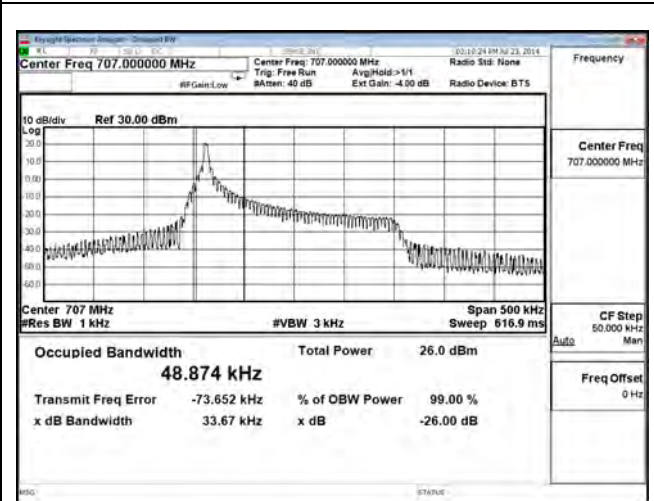
Channel	Freq. (MHz)	Modulation	BW (kHz)	RB No.	RB offset	Measure Level (kHz)		Limit (MHz)
						26dB BW	99% BW	
134004	698.2	BPSK	3.75	1	0	31.310	45.027	NA
			15	1	0	92.470	120.560	NA
		QPSK	3.75	1	0	30.440	41.713	NA
			15	1	0	103.400	115.620	NA
			12	0	215.300	183.120	NA	
134092	707	BPSK	3.75	1	0	33.670	48.874	NA
			15	1	0	92.390	120.940	NA
		QPSK	3.75	1	0	33.980	44.863	NA
			15	1	0	103.400	114.000	NA
			12	0	215.700	183.290	NA	
134180	715.8	BPSK	3.75	1	47	31.200	45.111	NA
			15	1	11	89.590	112.420	NA
		QPSK	3.75	1	47	34.000	44.851	NA
			15	1	11	102.500	114.230	NA
			12	0	214.700	183.090	NA	

Mode 14: LTE NB-IoT Band 85

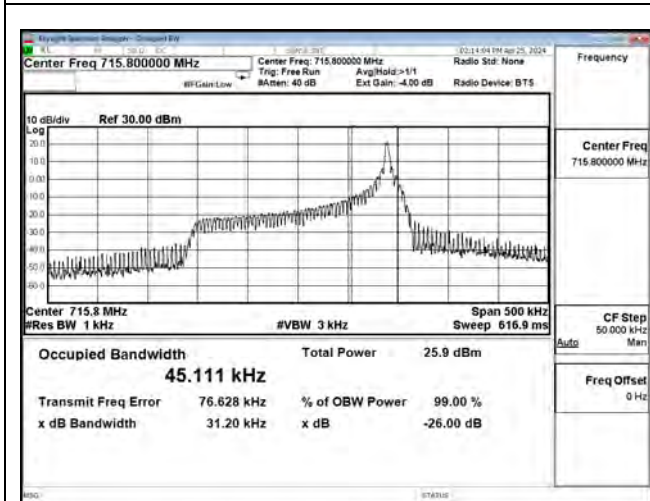
BPSK_CH134004_3.75k_1RB0



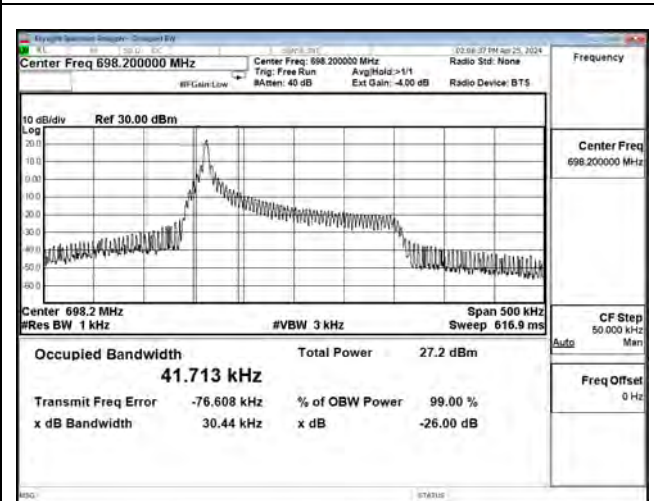
BPSK_CH134092_3.75k_1RB0



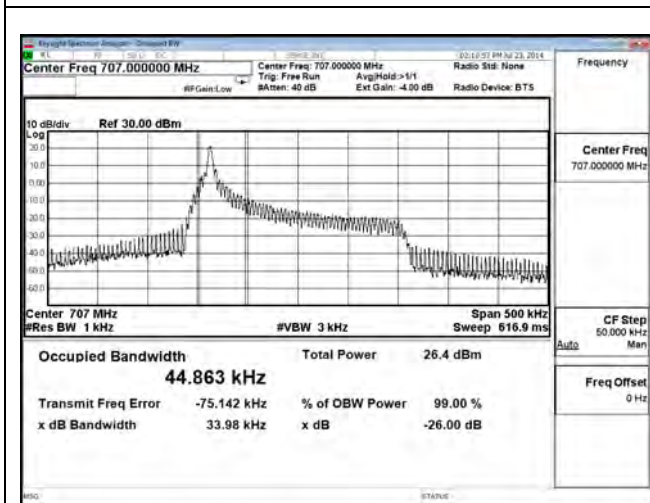
BPSK_CH134180_3.75k_1RB47



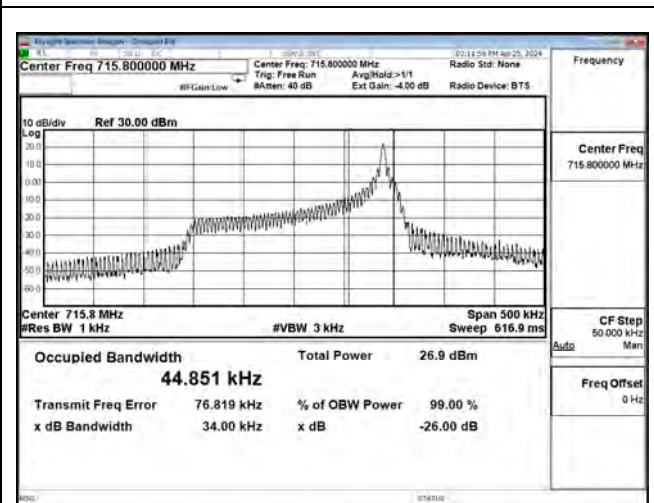
QPSK_CH134004_3.75k_1RB0



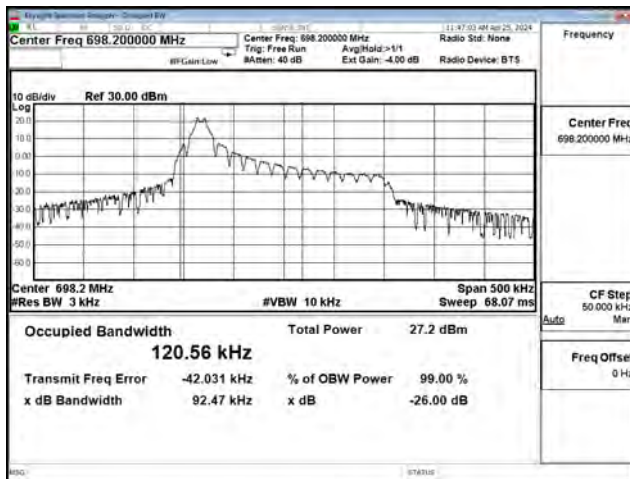
QPSK_CH134092_3.75k_1RB0



QPSK_CH134180_3.75k_1RB47



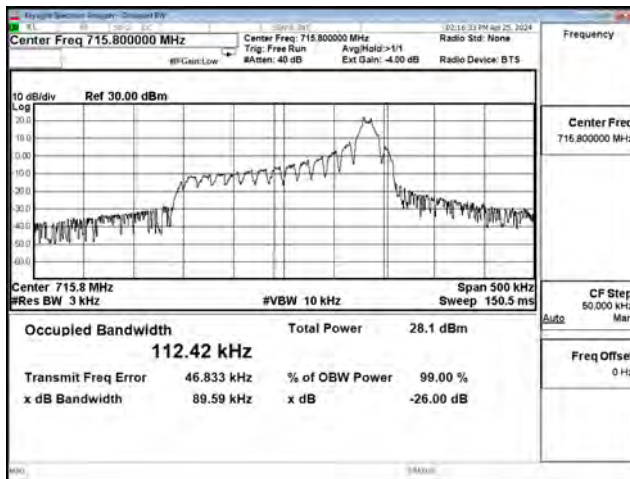
BPSK_CH134004_15k_1RB0



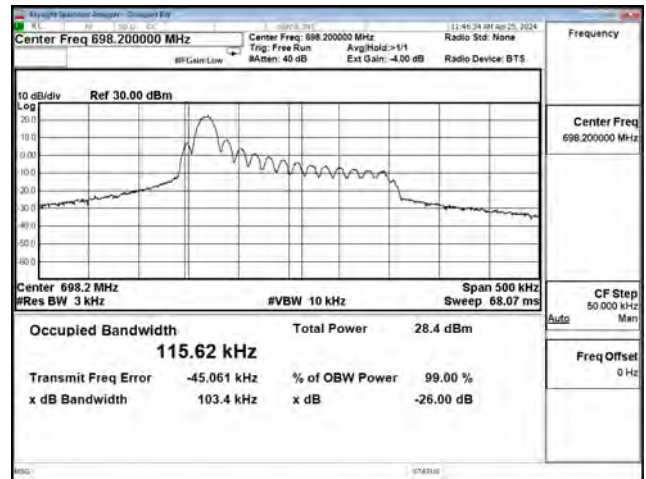
BPSK_CH134092_15k_1RB0



BPSK_CH134180_15k_1RB11



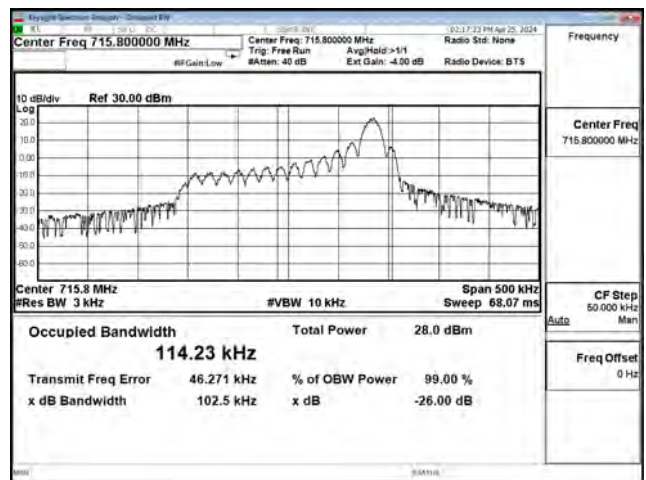
QPSK_CH134004_15k_1RB0



QPSK_CH134092_15k_1RB0



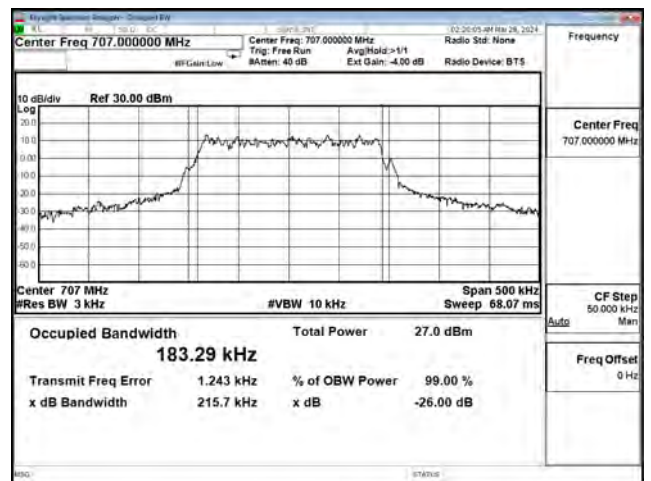
QPSK_CH134180_15k_1RB11



QPSK_CH134004_15k_12RB0



QPSK_CH134092_15k_12RB0

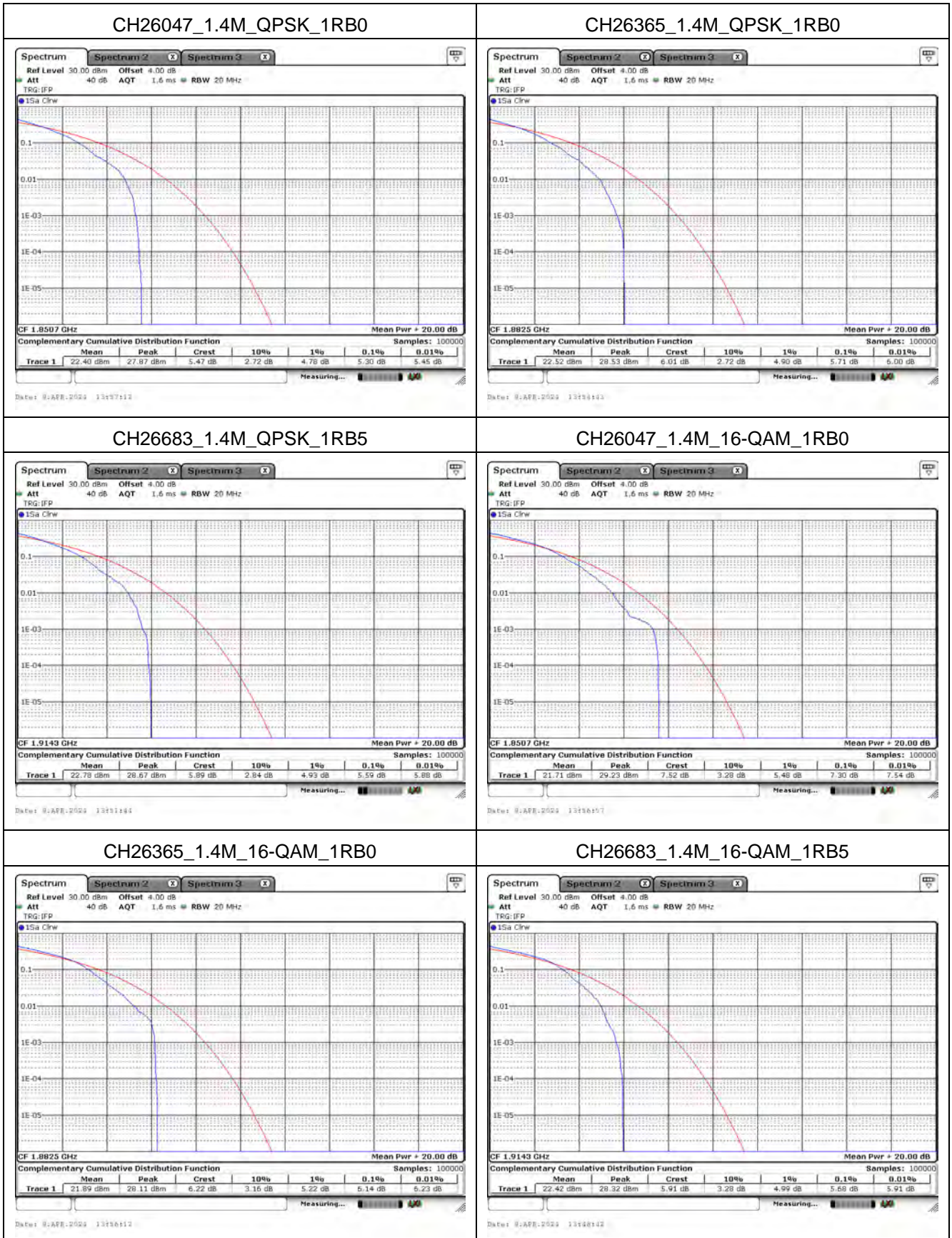


QPSK_CH134180_15k_12RB0

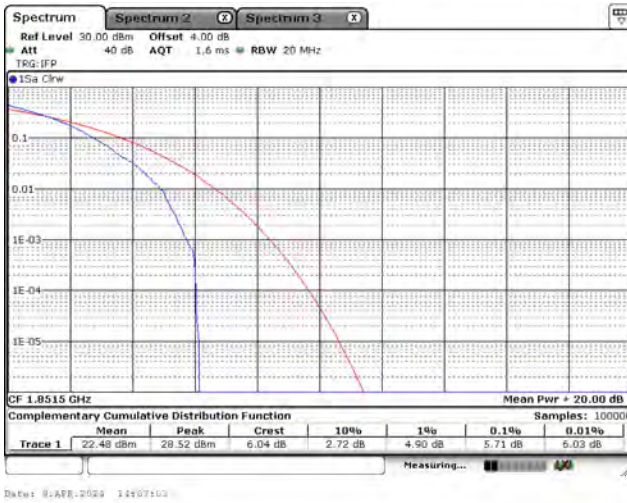


Appendix C. Test Result of Peak to Average Power Ratio

Mode 1: LTE Cat-M1 Band 2 / 25



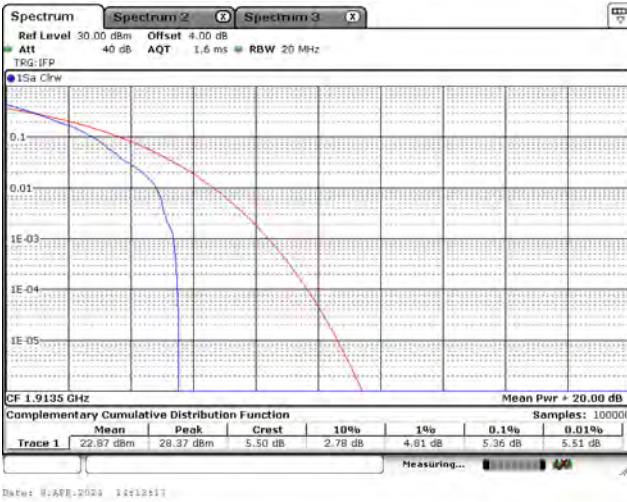
CH26055_3M_QPSK_1RB0



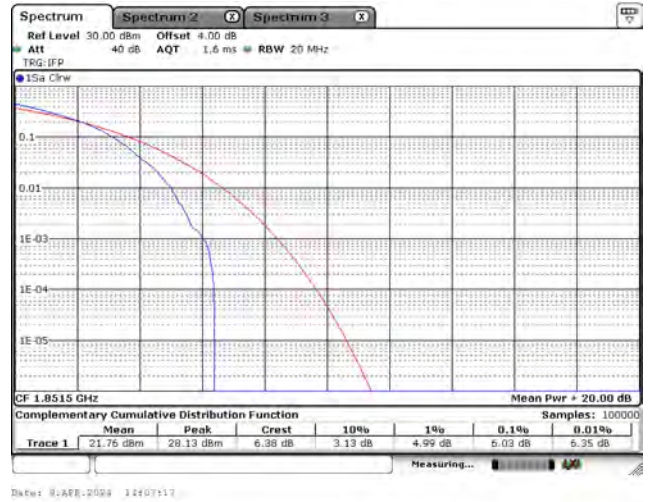
CH26365_3M_QPSK_1RB0



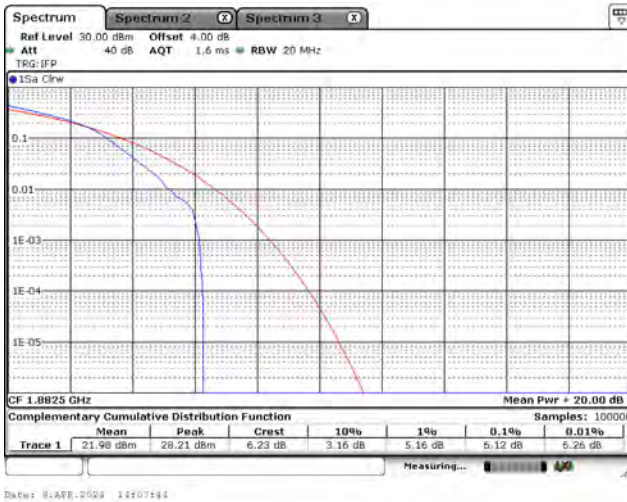
CH26675_3M_QPSK_1RB5



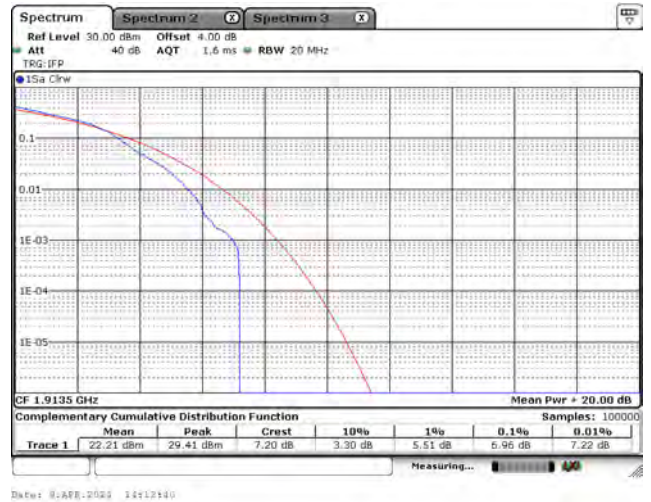
CH26055_3M_16-QAM_1RB0



CH26365_3M_16-QAM_1RB0



CH26675_3M_16-QAM_1RB5



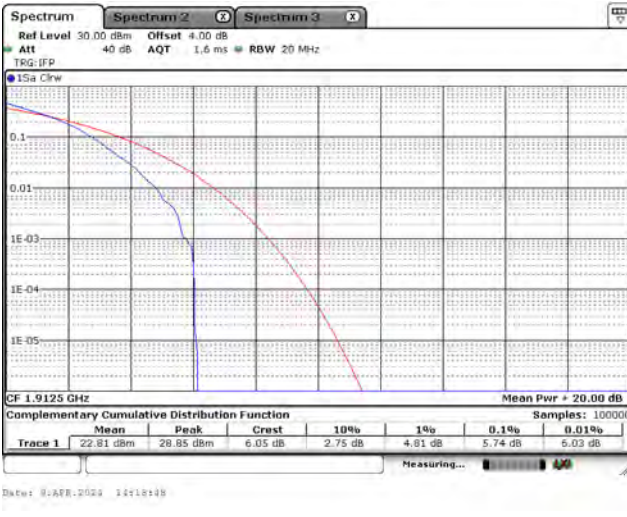
CH26065_5M_QPSK_1RB0



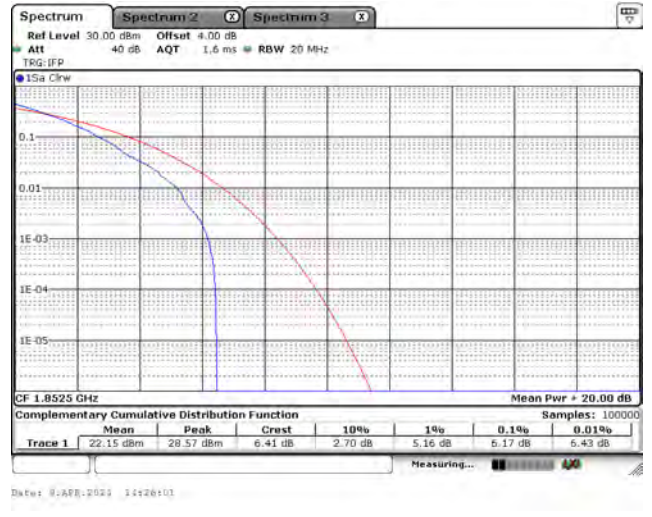
CH26365_5M_QPSK_1RB0



CH26665_5M_QPSK_1RB5_high



CH26065_5M_16-QAM_1RB0_low



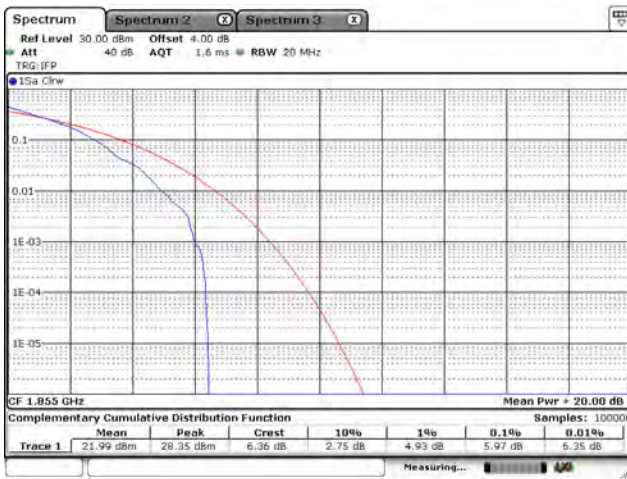
CH26365_5M_16-QAM_1RB0_low



CH26665_5M_16-QAM_1RB5_high



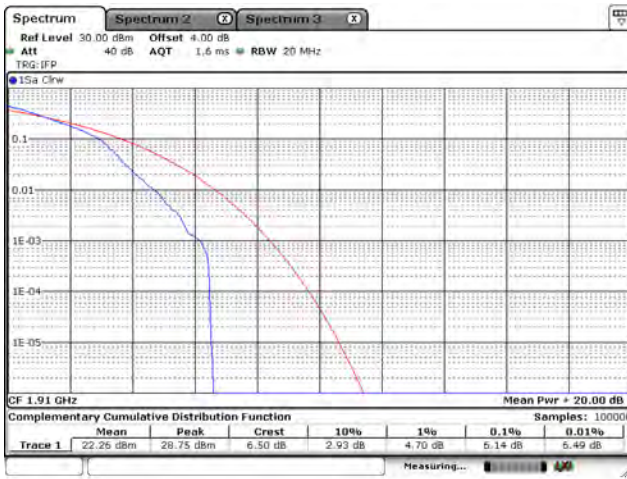
CH26090_10M_QPSK_1RB0



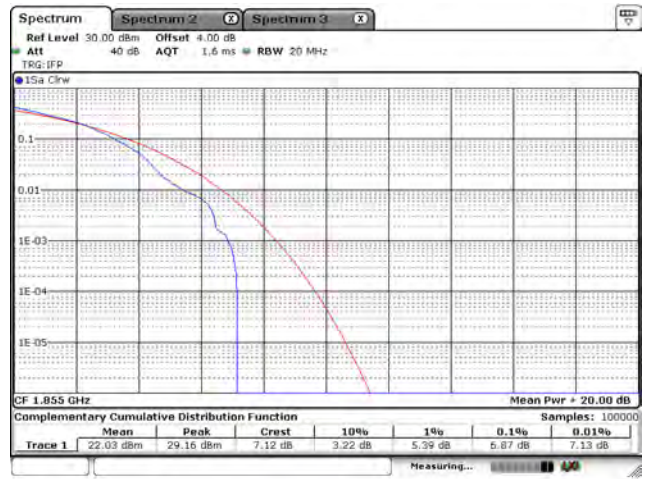
CH26365_10M_QPSK_1RB0



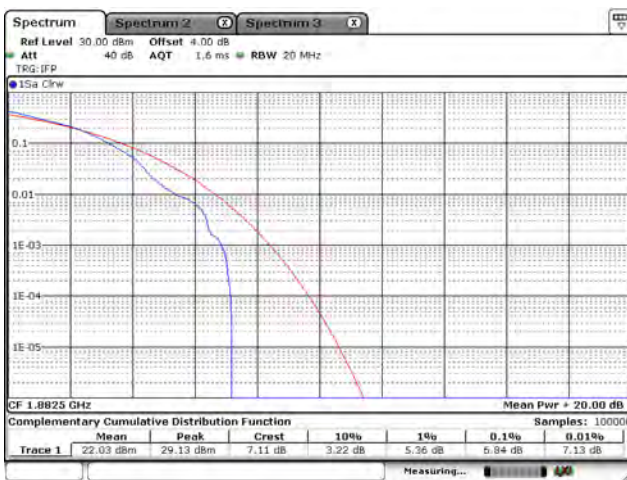
CH26640_10M_QPSK_1RB5



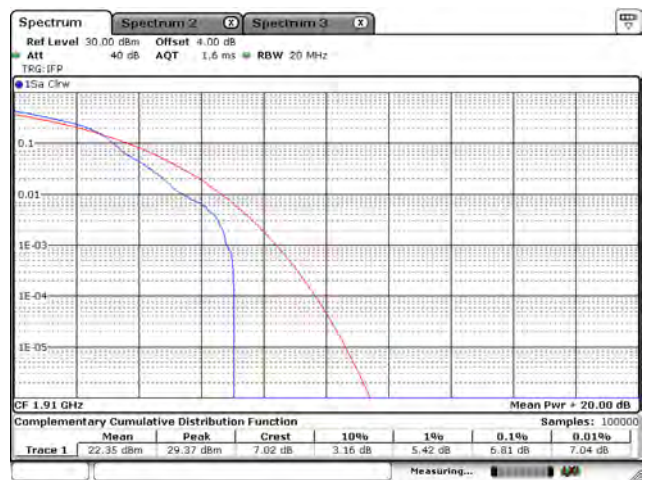
CH26090_10M_16-QAM_1RB0



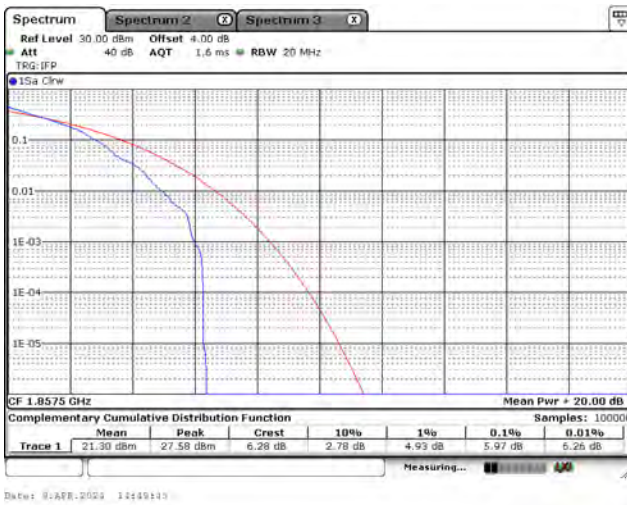
CH26365_10M_16-QAM_1RB0



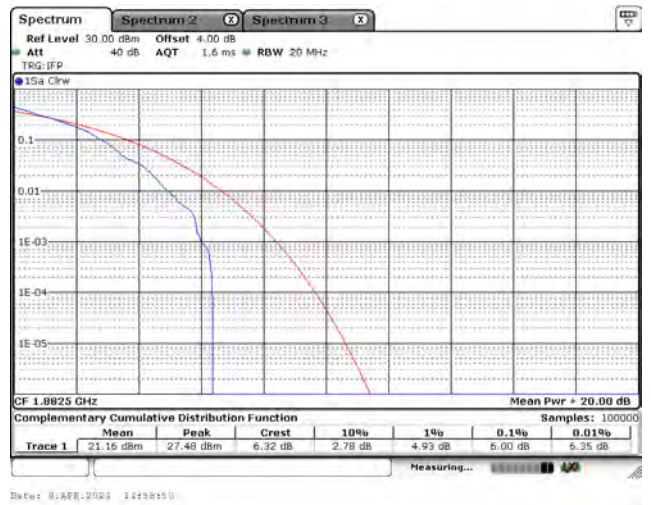
CH26640_10M_QPSK_1RB5



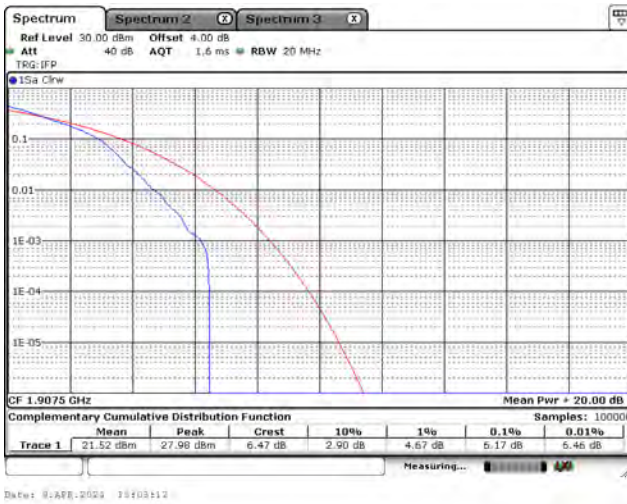
CH26115_15M_QPSK_1RB0



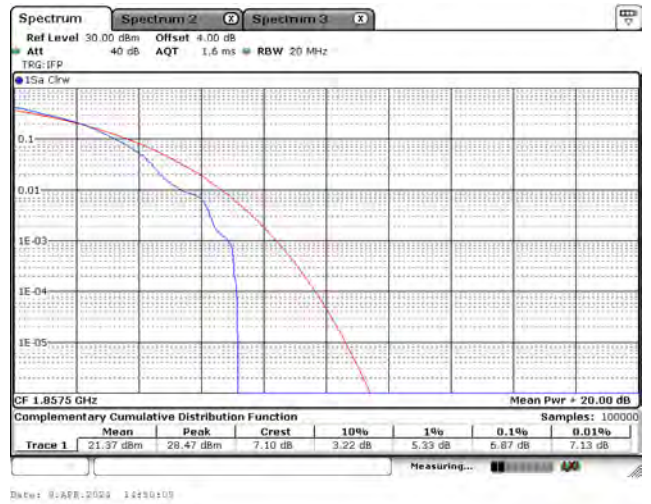
CH26365_15M_QPSK_1RB0



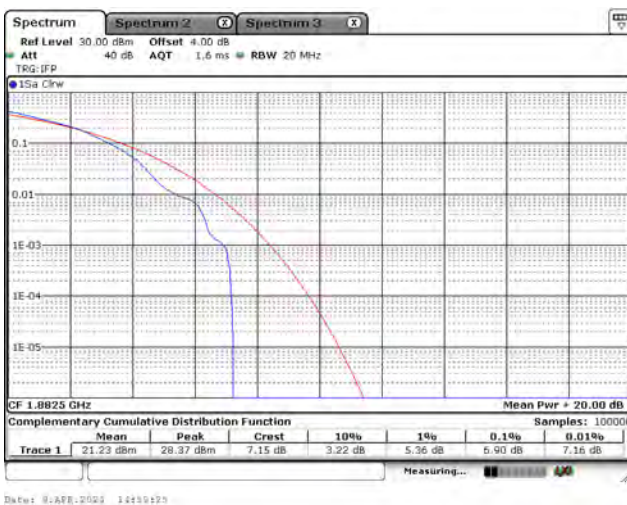
CH26615_15M_QPSK_1RB5



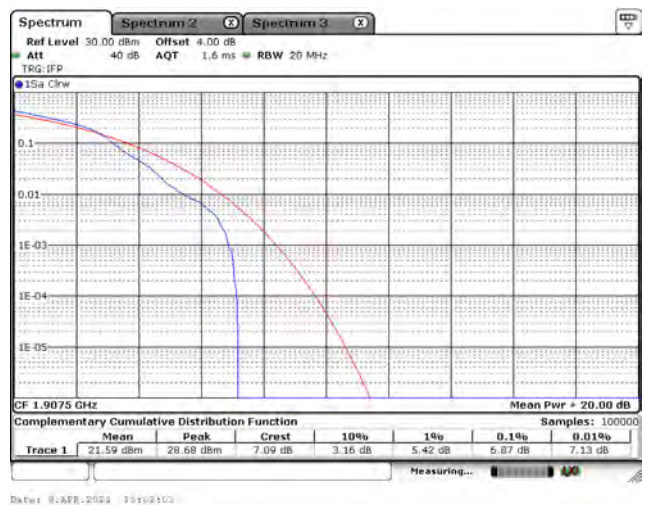
CH26115_15M_16-QAM_1RB0



CH26365_15M_16-QAM_1RB0



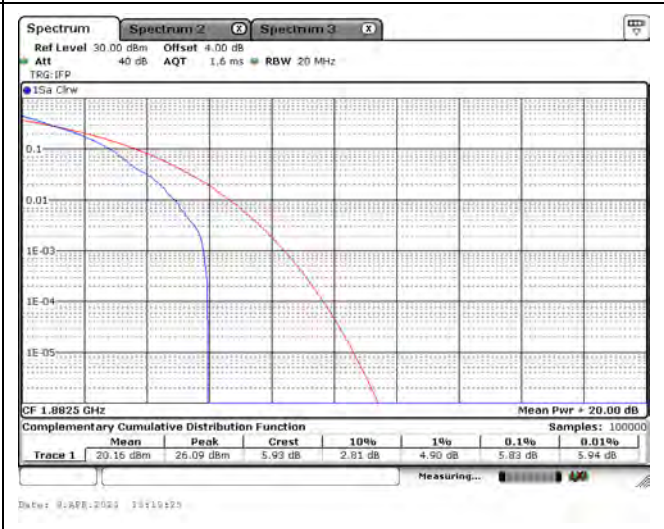
CH26615_15M_16-QAM_1RB5



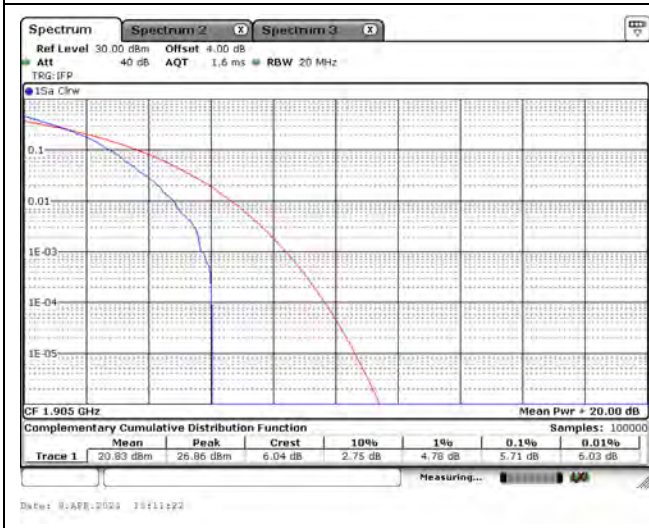
CH26140_20M_QPSK_1RB0



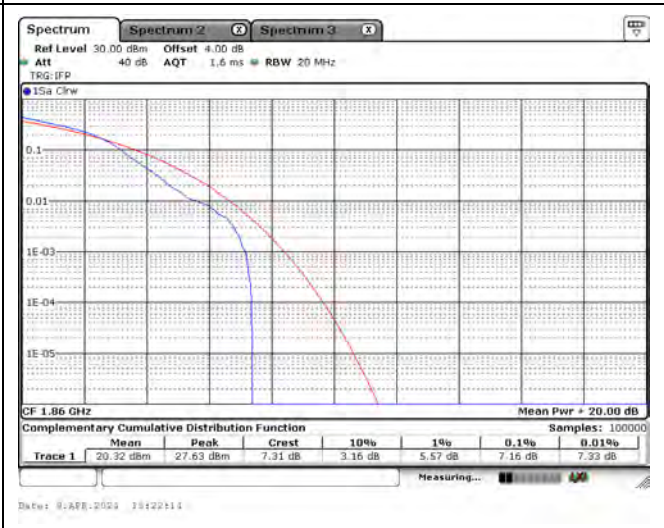
CH26365_20M_QPSK_1RB0



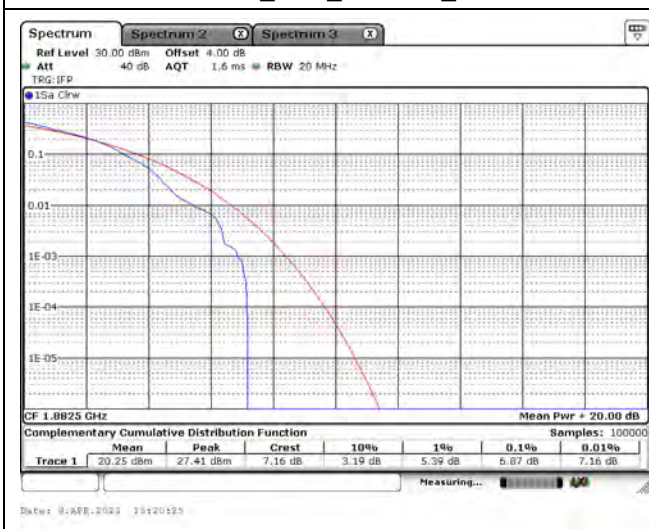
CH26590_20M_QPSK_1RB5



CH26140_20M_16-QAM_1RB0



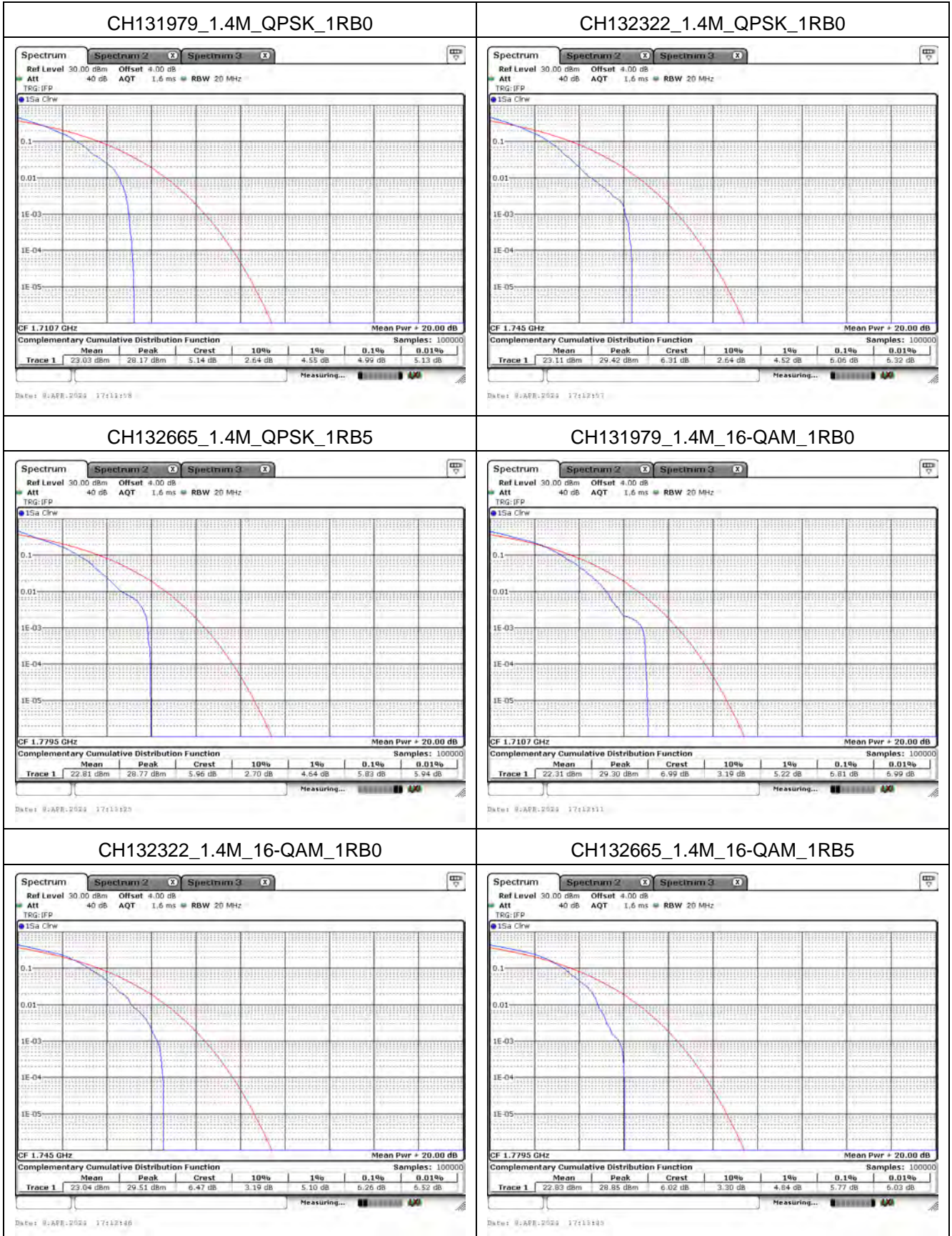
CH26365_20M_16-QAM_1RB0



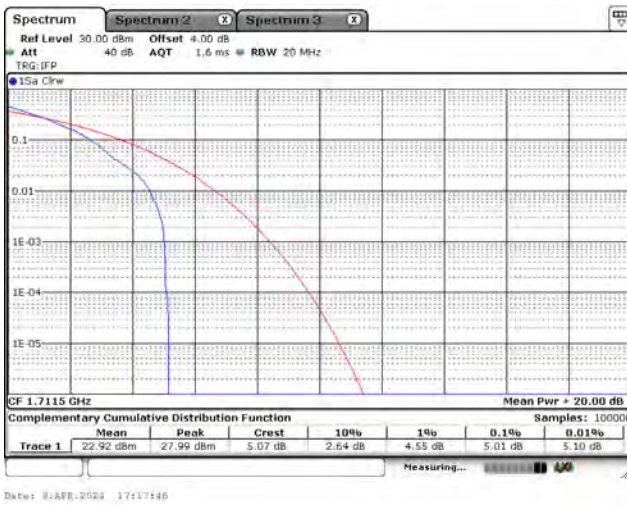
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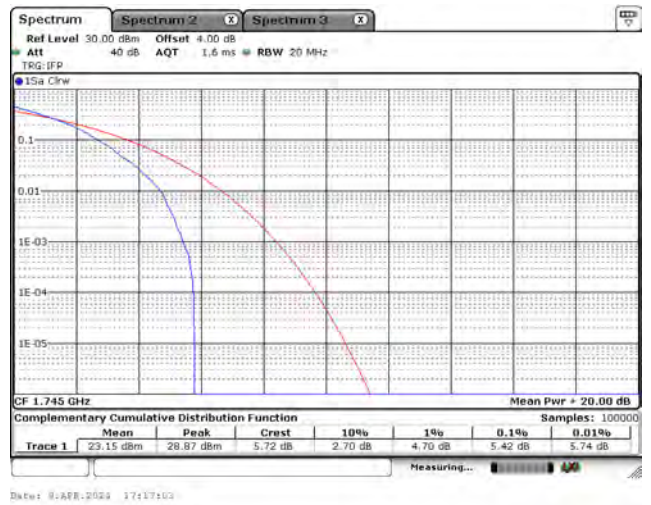
Mode 2: LTE Cat-M1 Band 4 / 66



CH131987_3M_QPSK_1RB0



CH132322_3M_QPSK_1RB0



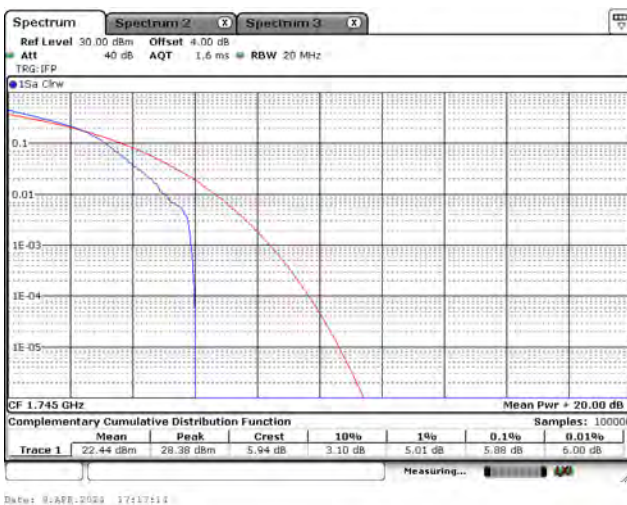
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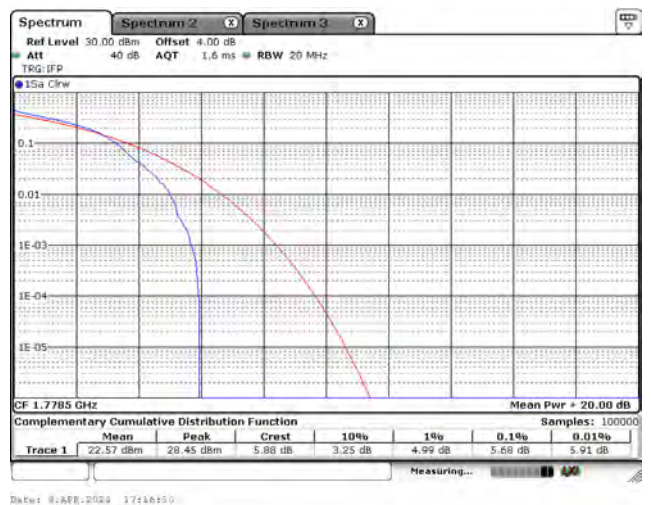
CH131987_3M_16-QAM_1RB0



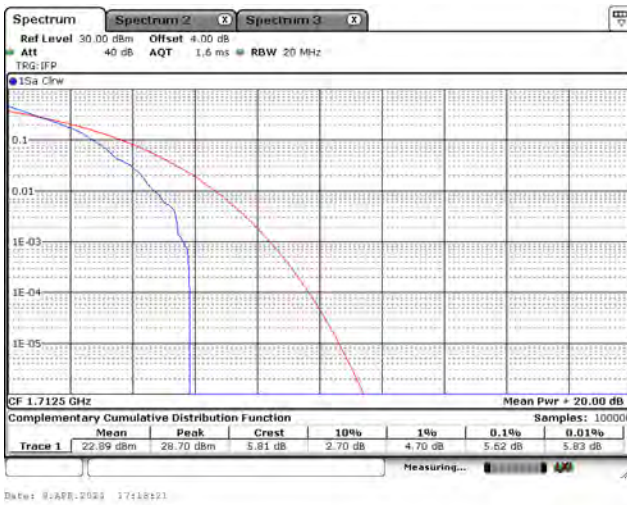
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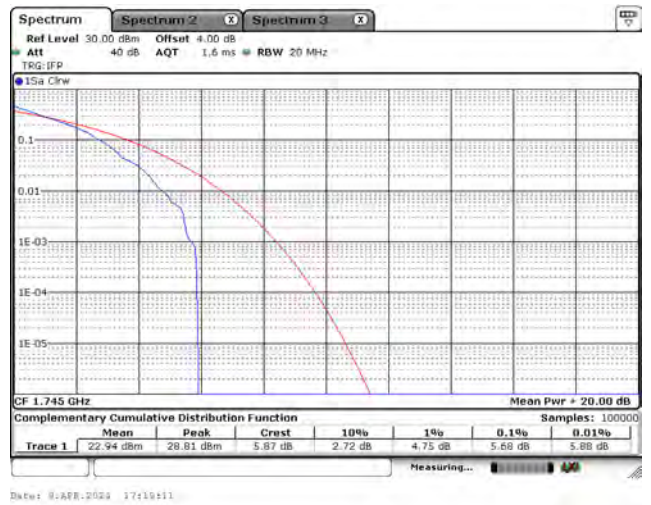
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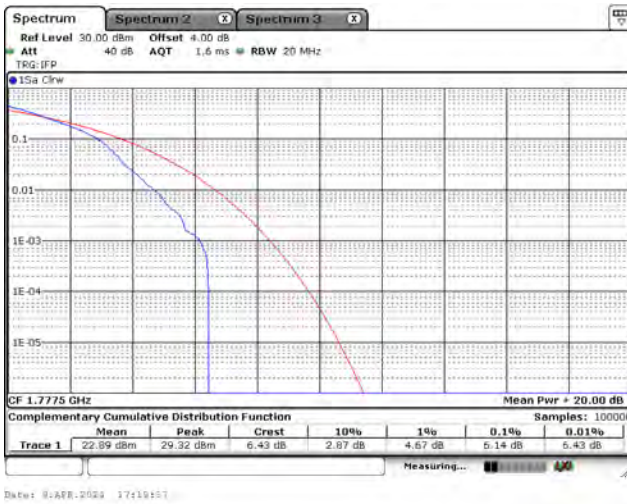
CH131997_5M_QPSK_1RB0



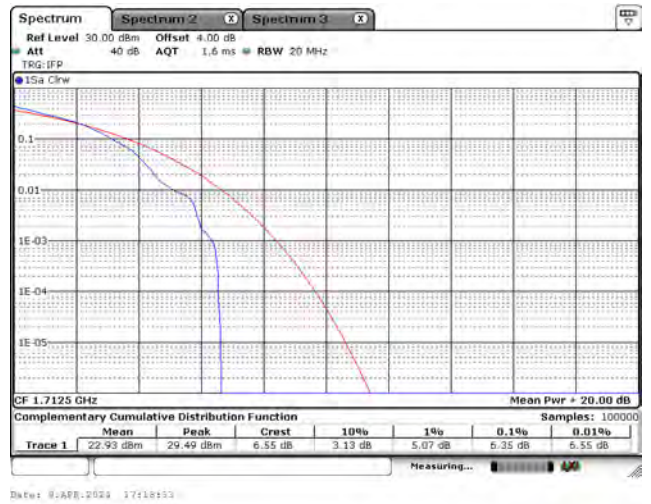
CH132322_5M_QPSK_1RB0



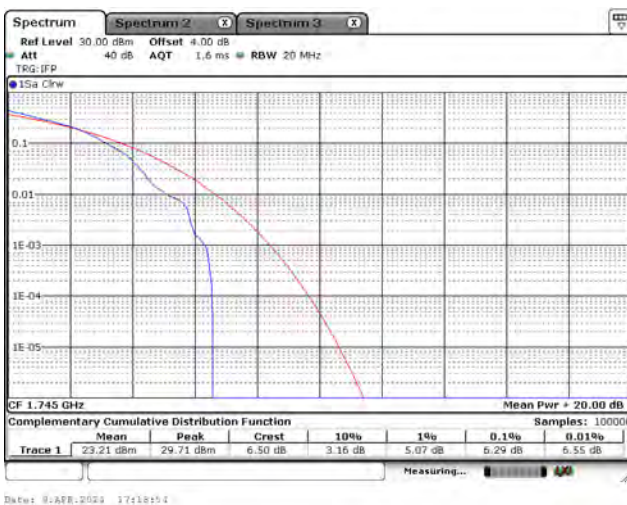
CH132647_5M_QPSK_1RB5



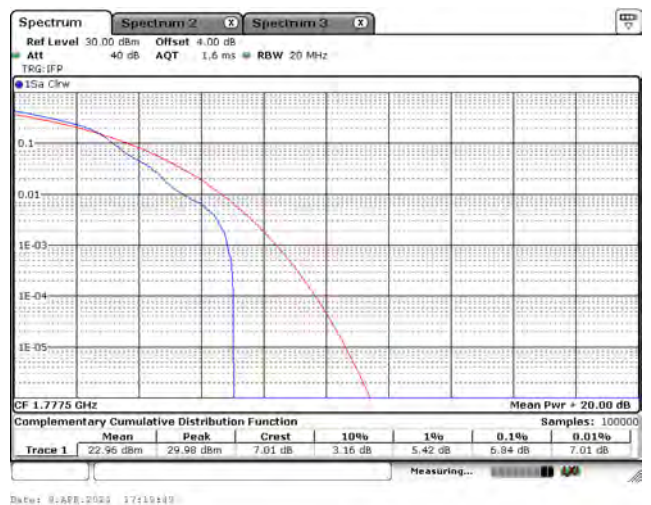
CH131997_5M_16-QAM_1RB0



CH132322_5M_16-QAM_1RB0



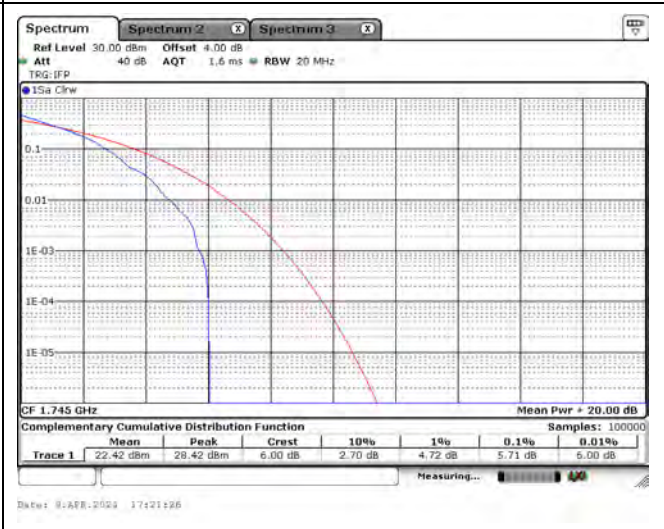
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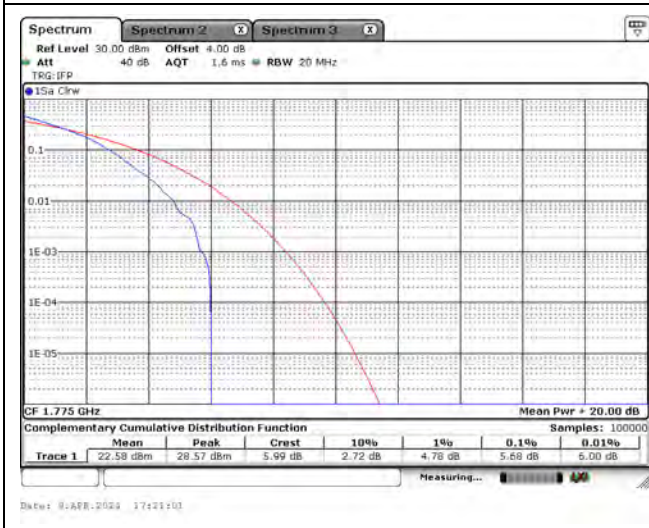
CH132022_10M_QPSK_1RB0



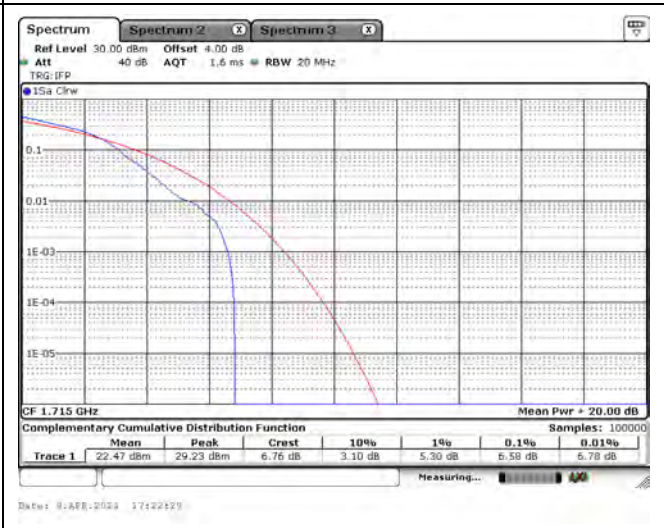
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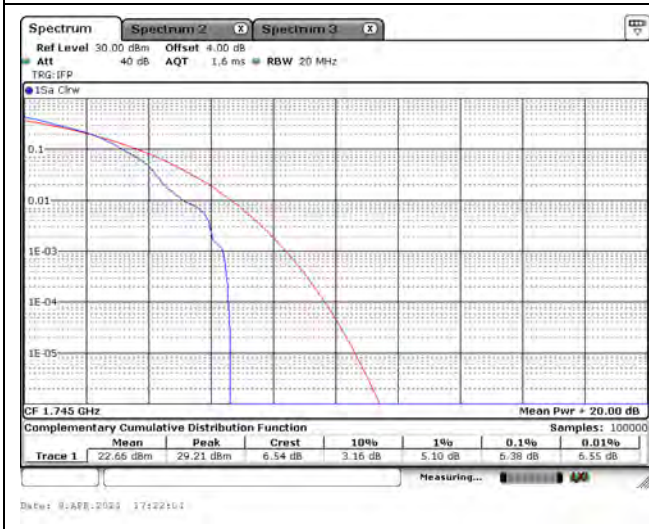
CH132622_10M_QPSK_1RB5



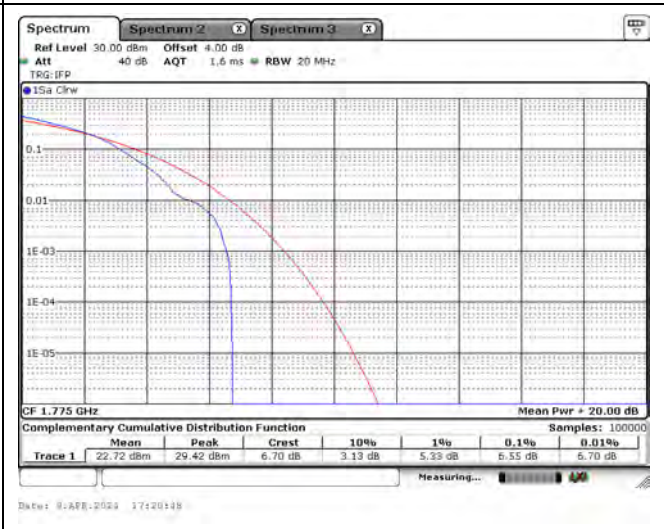
CH132022_10M_16-QAM_1RB0



CH132322_10M_16-QAM_1RB0



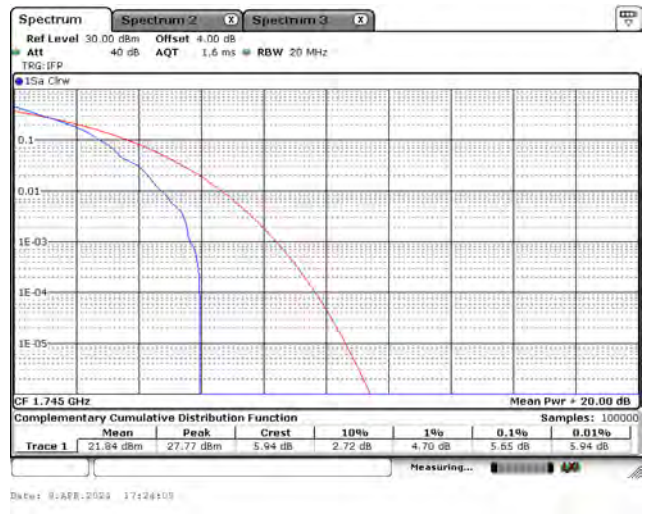
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CH132047_15M_QPSK_1RB0



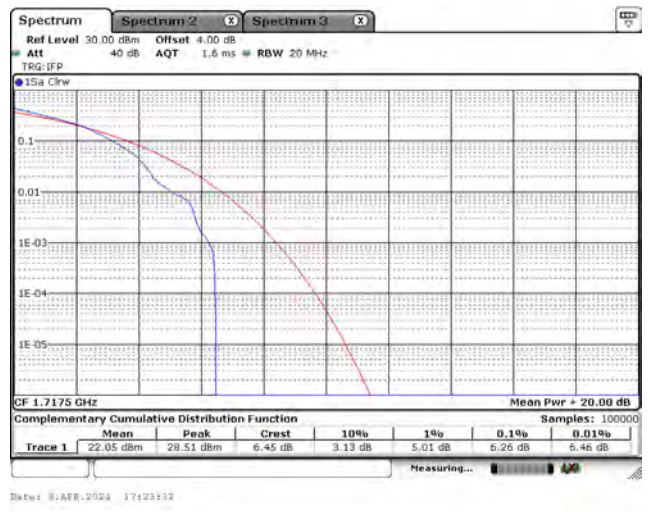
CH132322_15M_QPSK_1RB0



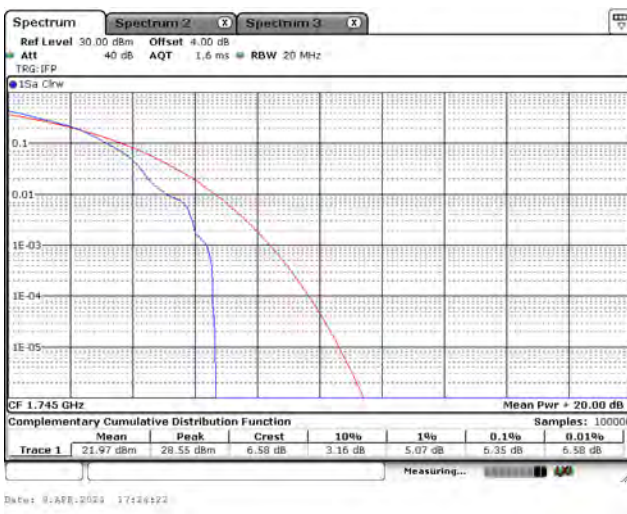
CH132597_15M_QPSK_1RB5



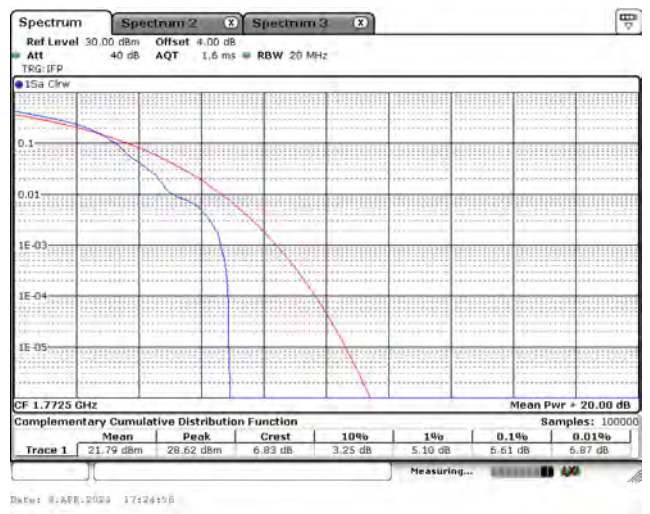
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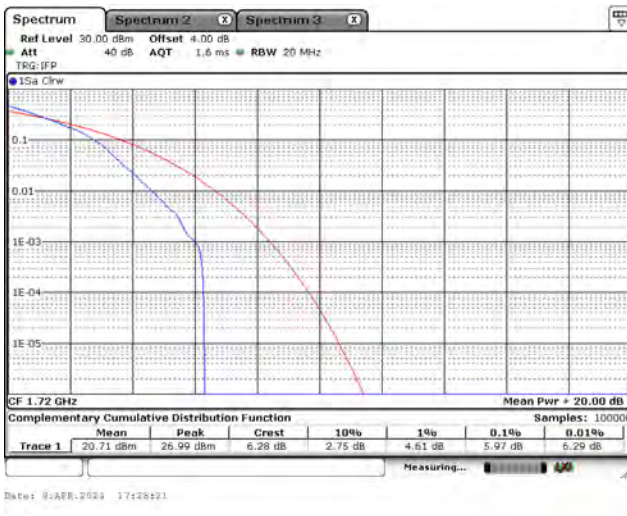
CH132322_15M_16-QAM_1RB0



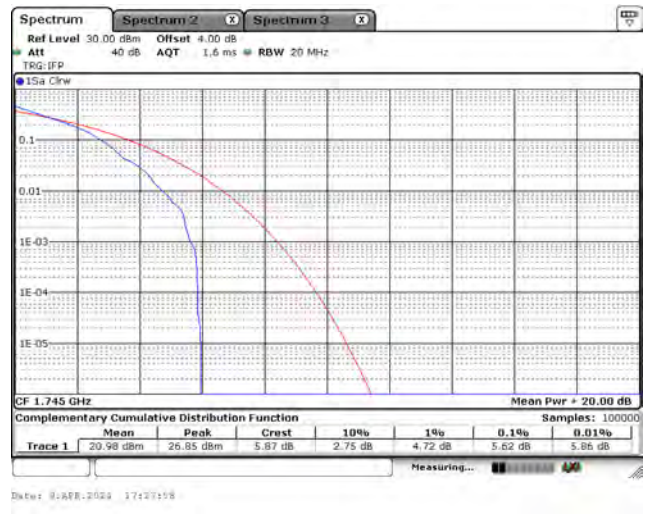
CH132597_15M_16-QAM_1RB5



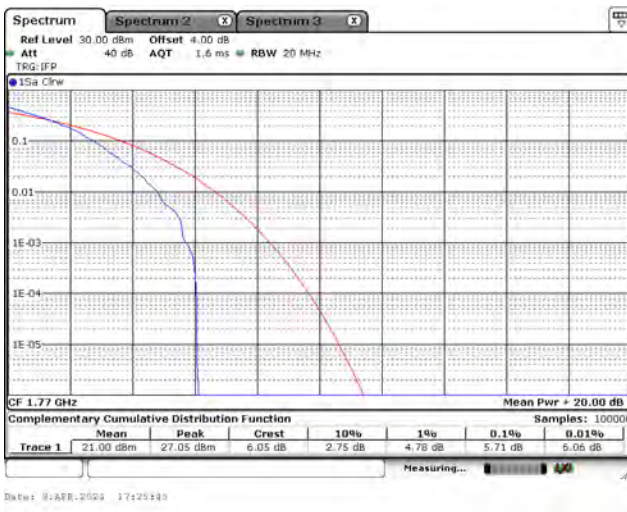
CH132072_20M_QPSK_1RB0



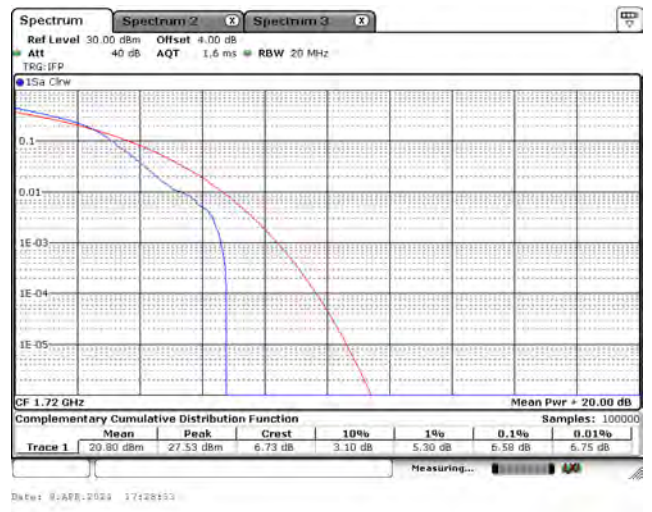
CH132322_20M_QPSK_1RB0



CH132572_20M_QPSK_1RB5



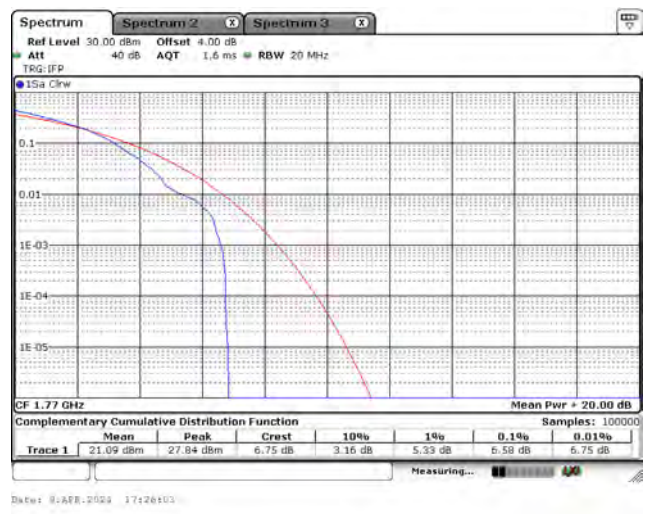
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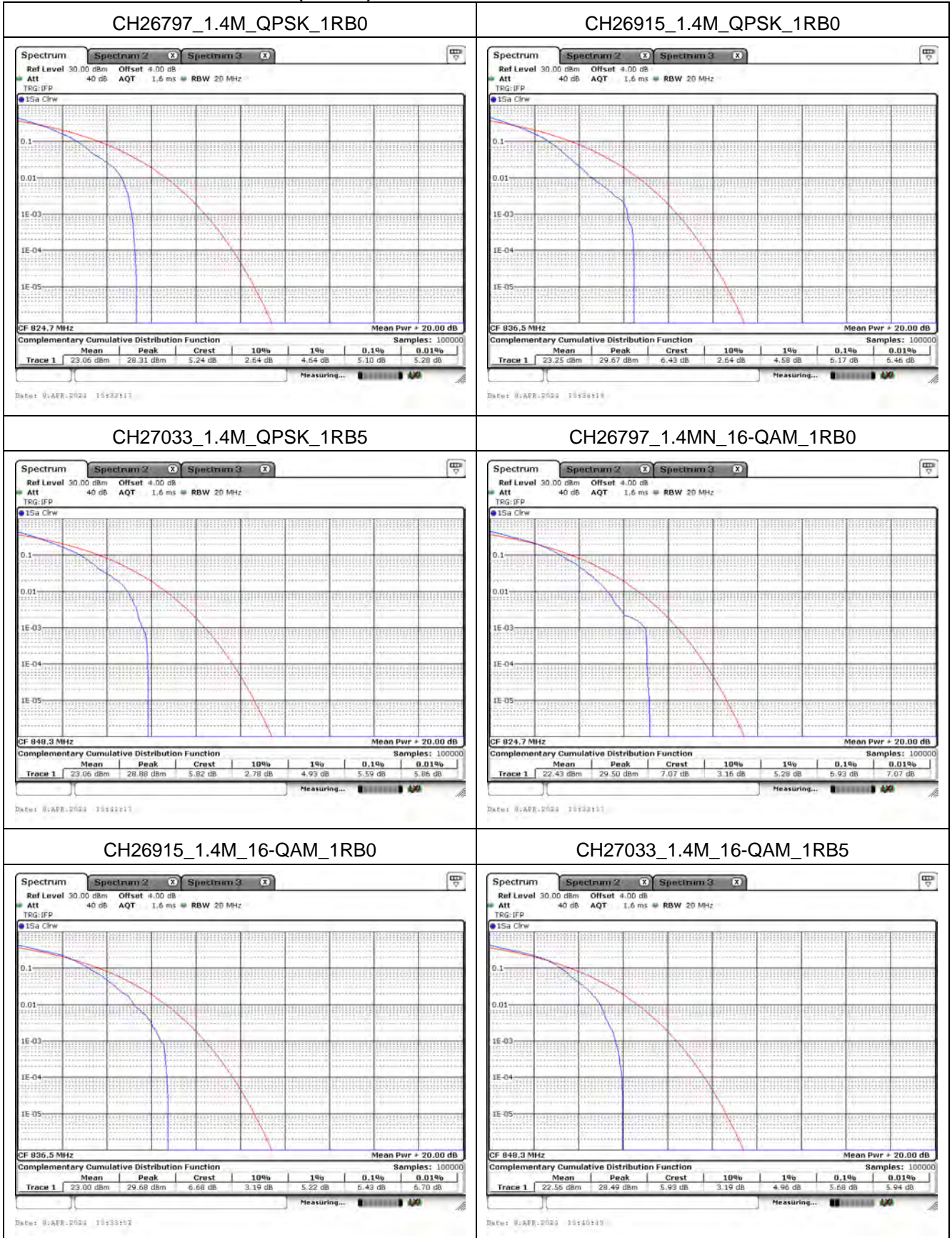
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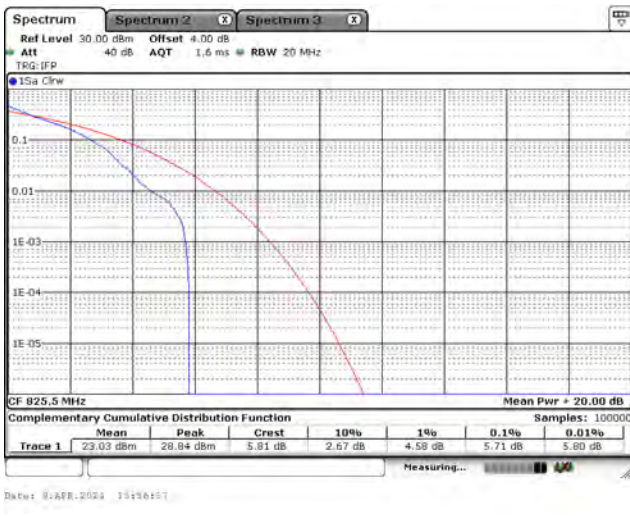
CH132572_20M_16-QAM_1RB5



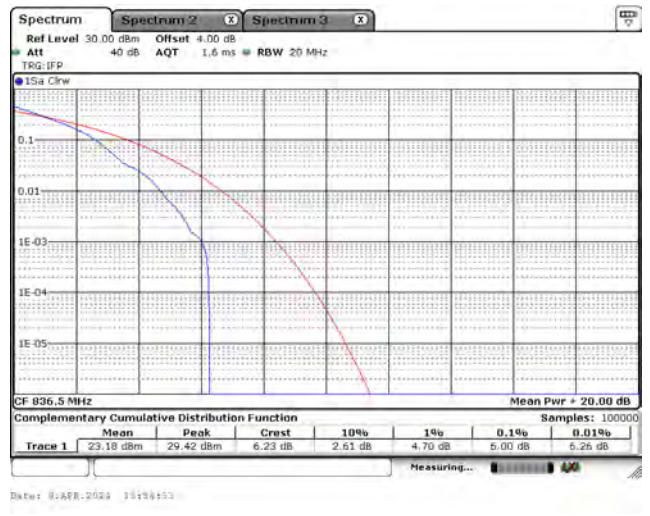
Mode 3: LTE Cat-M1 Band 5 / 26 (Part 22)



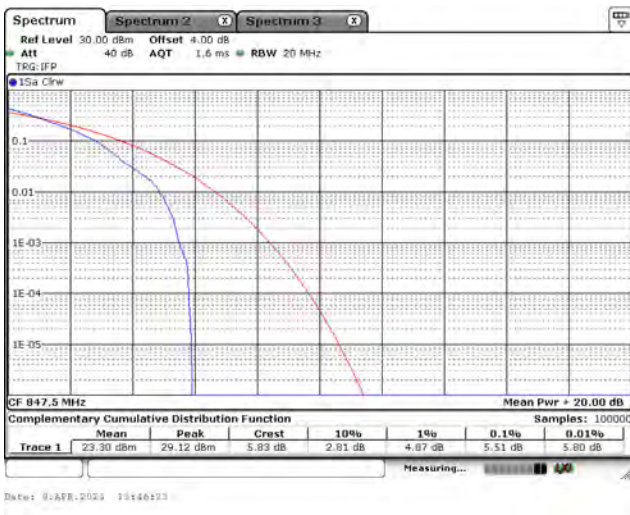
CH26805_3M_QPSK_1RB0



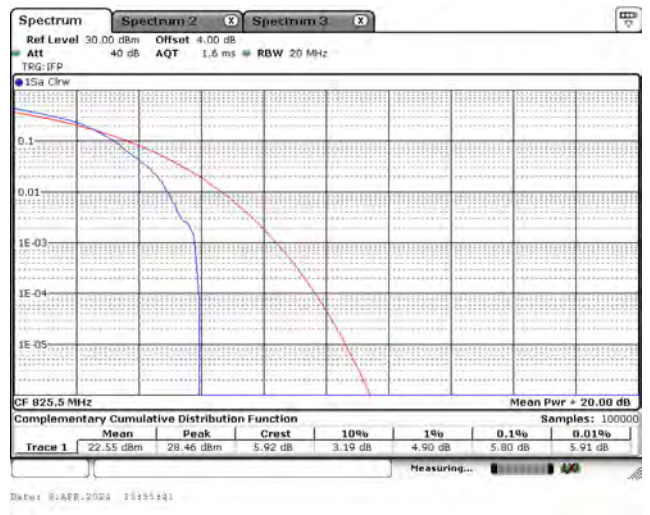
CH26915_3M_QPSK_1RB0



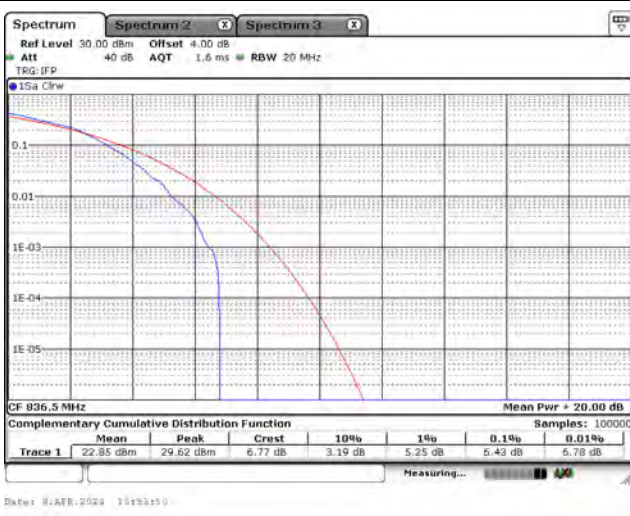
CH27025_3M_QPSK_1RB5



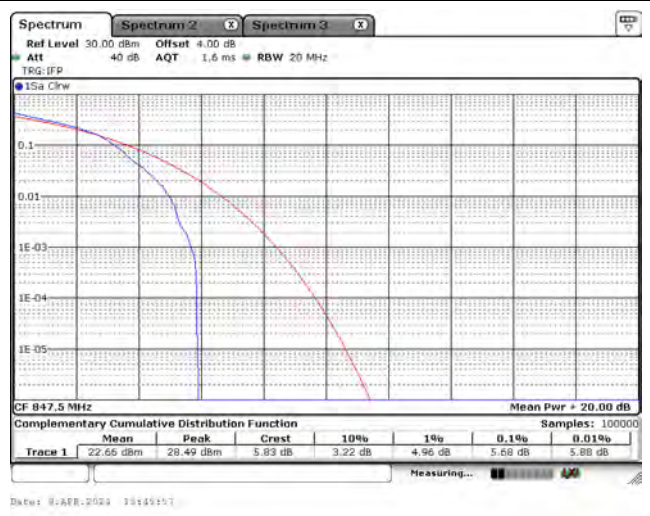
CH26805_3M_16-QAM_1RB0



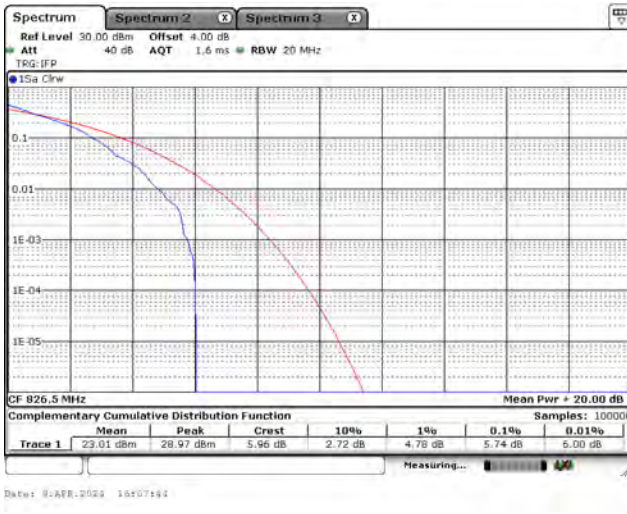
CH26915_3M_16-QAM_1RB0



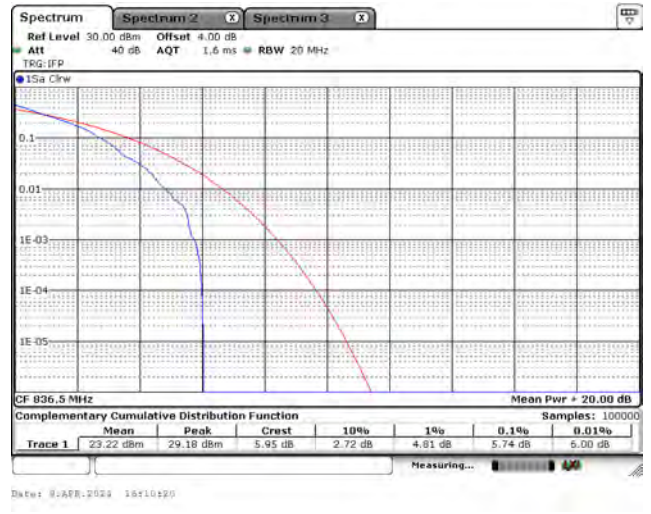
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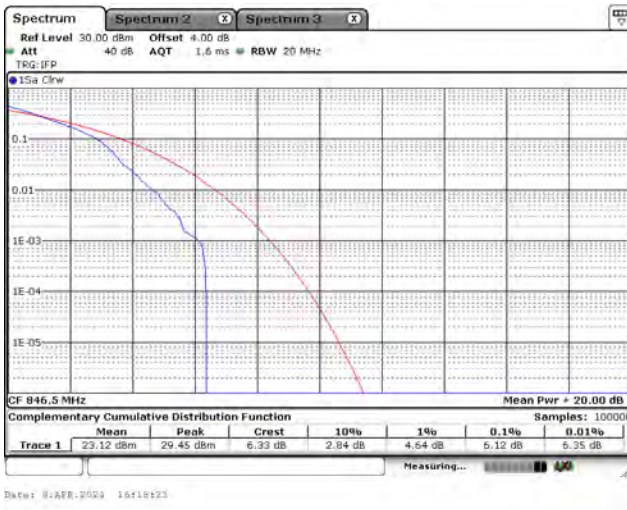
CH26815_5M_QPSK_1RB0



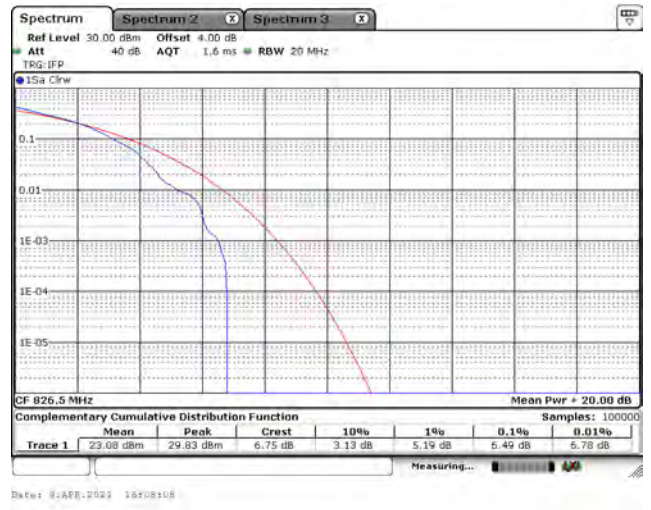
CH26915_5M_QPSK_1RB0



CH27015_5M_QPSK_1RB5



CH26815_5M_16-QAM_1RB0



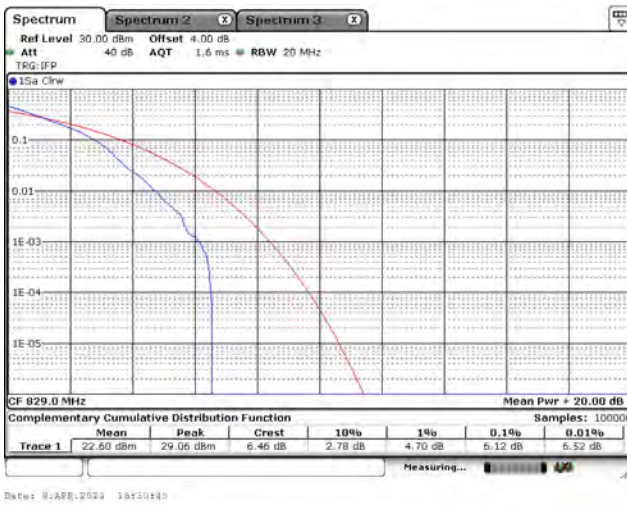
CH26915_5M_16-QAM_1RB0



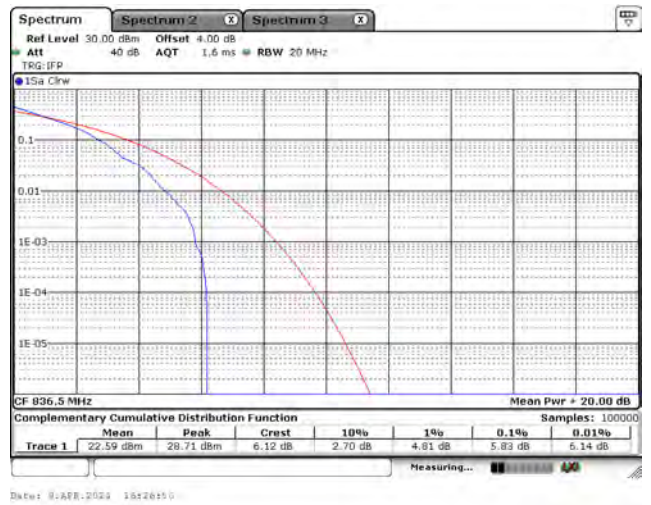
CH27015_5M_16-QAM_1RB5



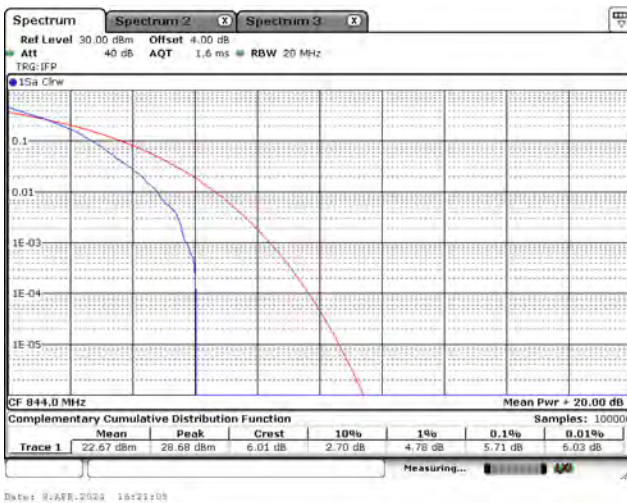
CH26840_10M_QPSK_1RB0



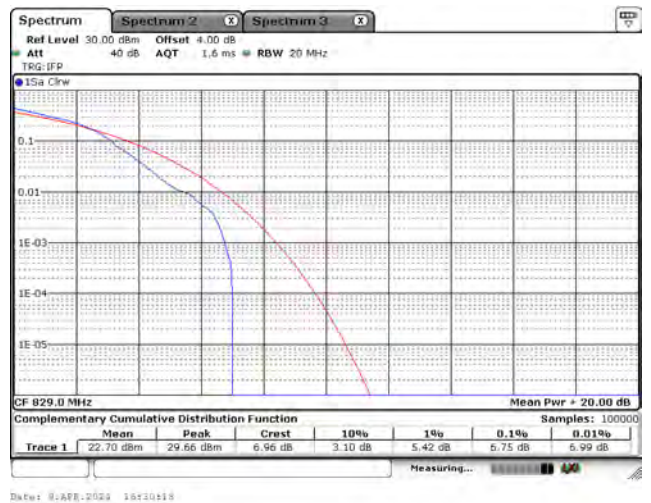
CH26915_10M_QPSK_1RB0



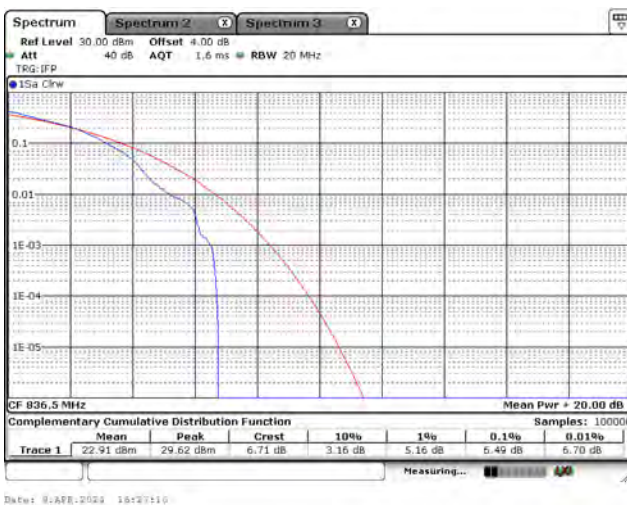
CH26990_10M_QPSK_1RB5



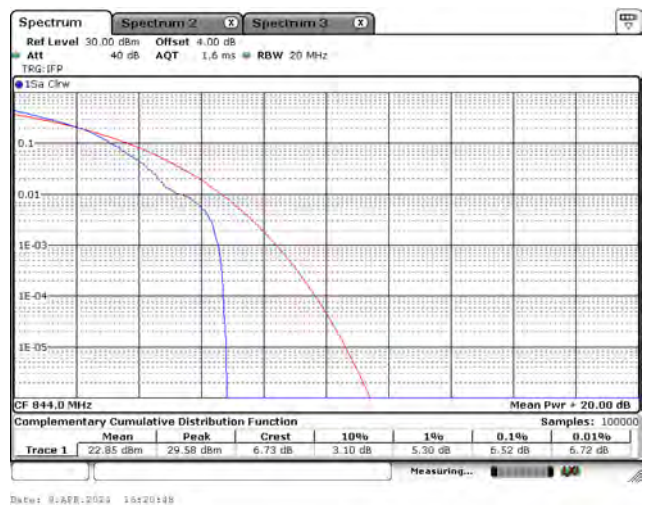
CH26840_10M_16-QAM_1RB0



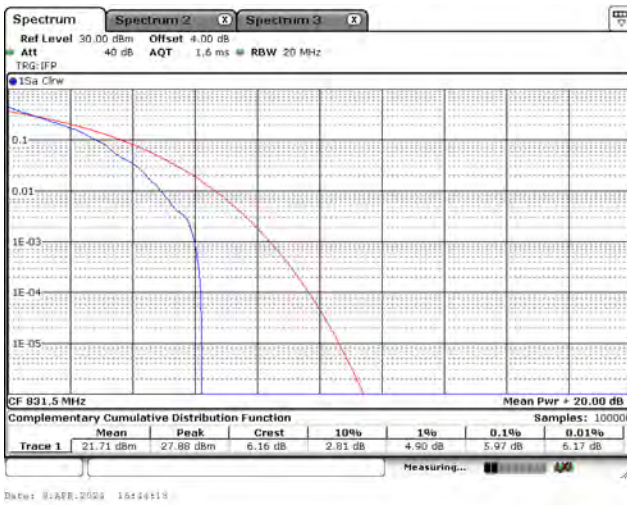
CH26915_10M_16-QAM_1RB0



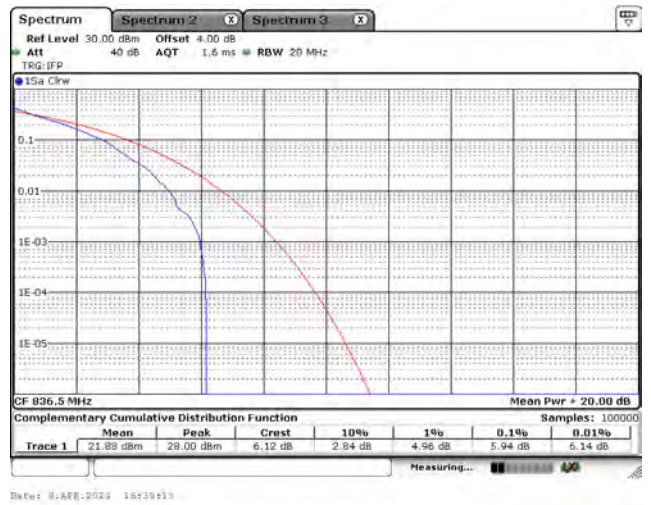
CH26990_10M_16-QAM_1RB5



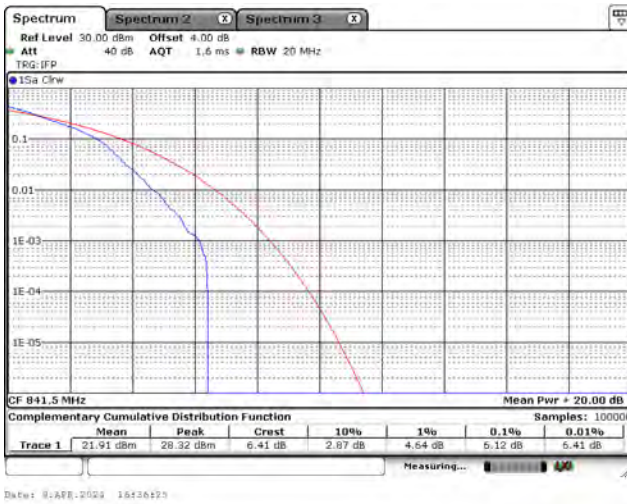
CH26865_15M_QPSK_1RB0



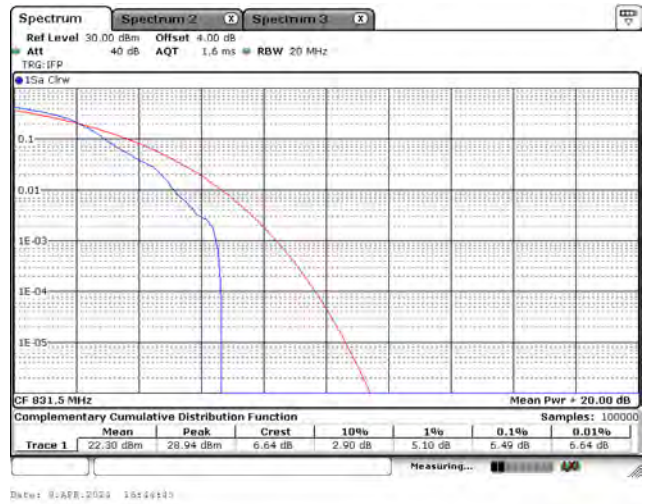
CH26915_15M_QPSK_1RB0



CH26965_15M_QPSK_1RB5



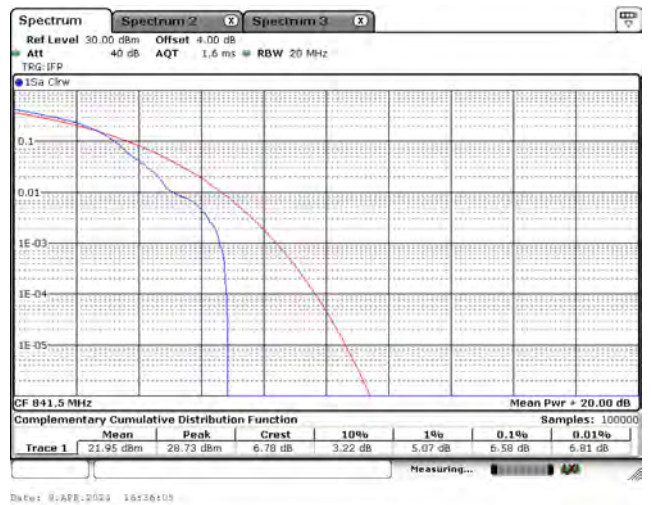
CH26865_15M_16-QAM_1RB0



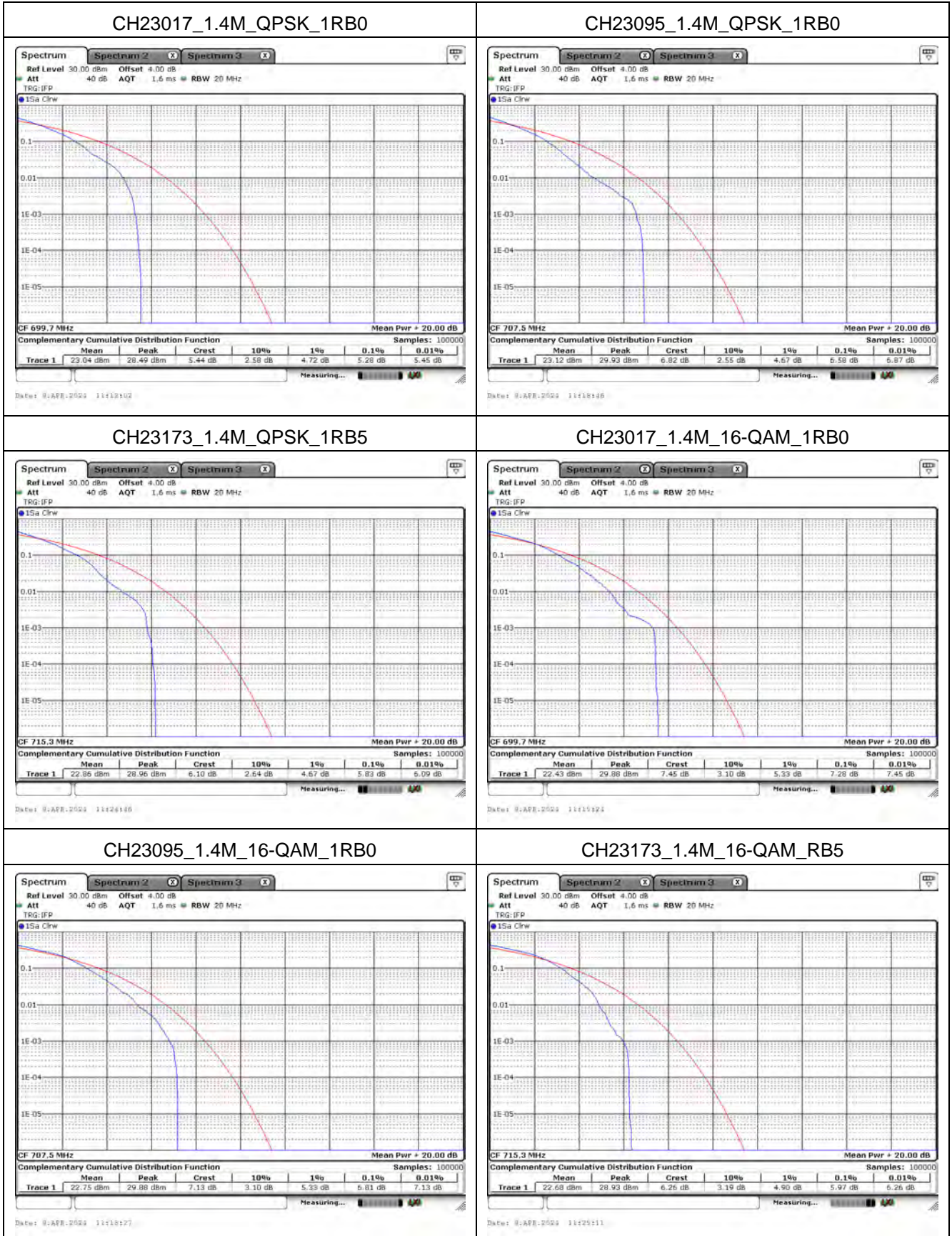
CH26915_15M_16-QAM_1RB0



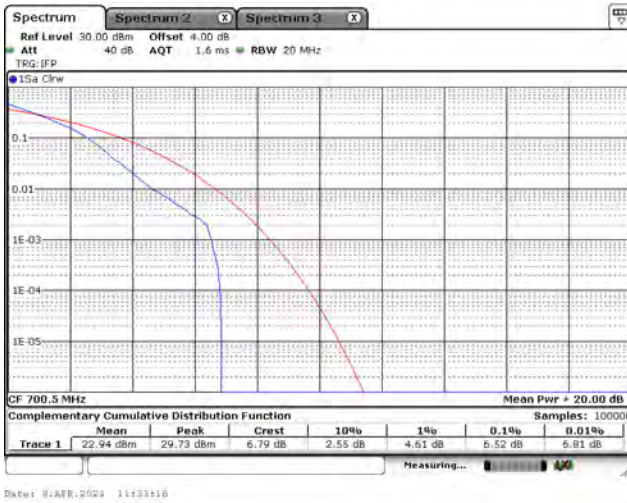
CH26965_15M_16-QAM_1RB5



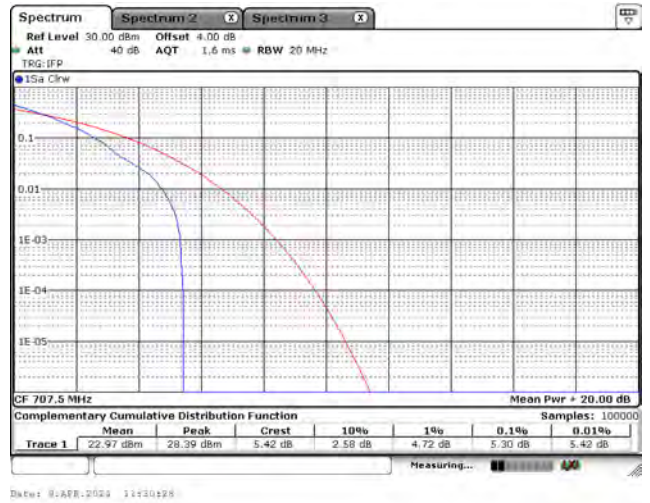
Mode 4: LTE Cat-M1 Band 12



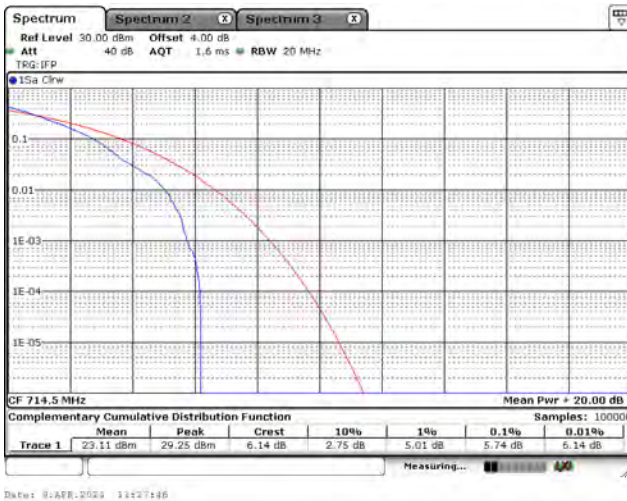
CH23025_5M_QPSK_1RB0



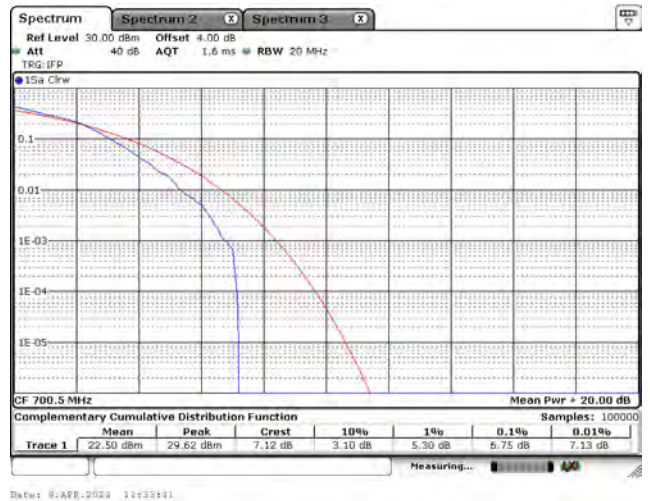
CH23095_5M_QPSK_1RB0



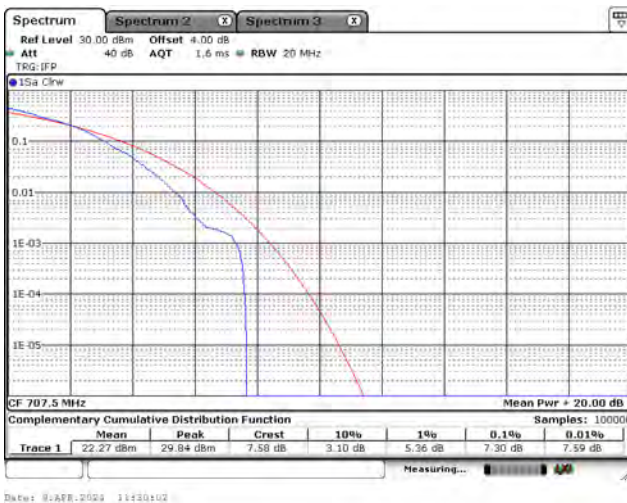
CH23165_5M_QPSK_1RB5



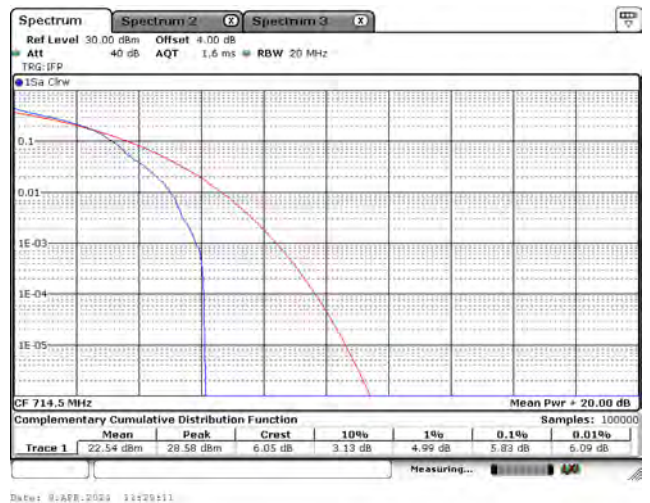
CH23025_16-QAM_1RB0



CH23095_16-QAM_1RB0



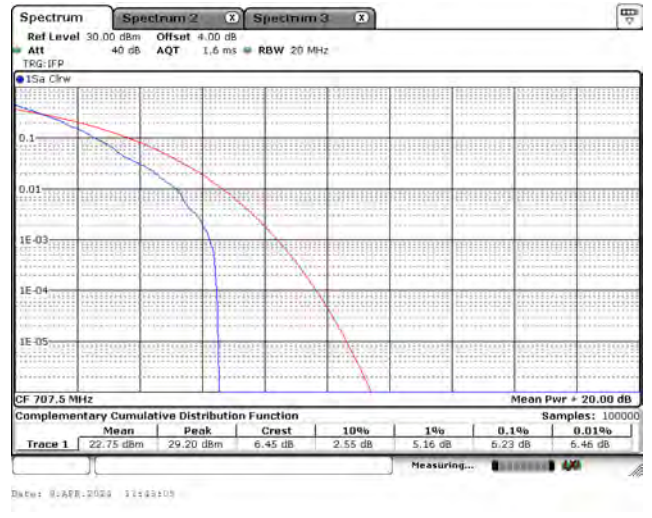
CH23165_16-QAM_1RB5



CH23035_5M_QPSK_1RB0



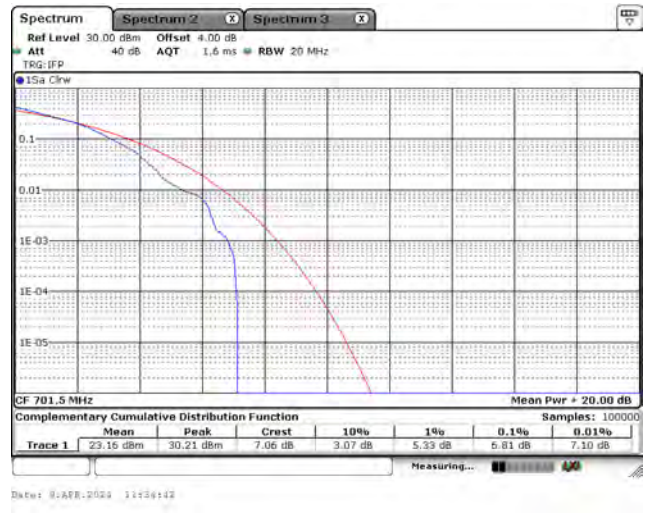
CH23095_5M_QPSK_1RB0



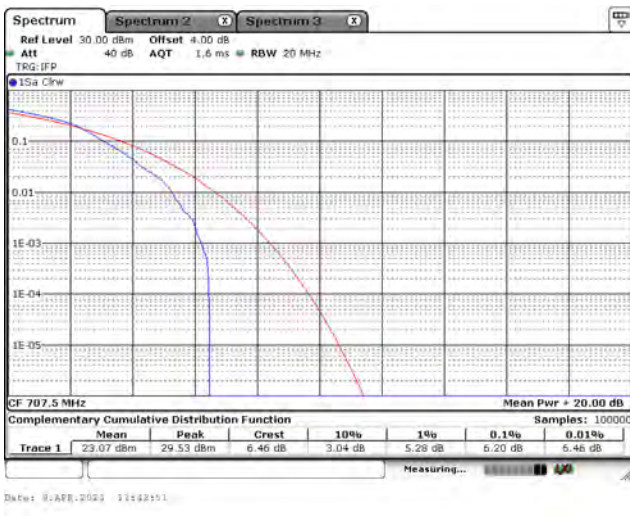
CH23155_5M_QPSK_1RB5



CH23035_5M_16-QAM_1RB0



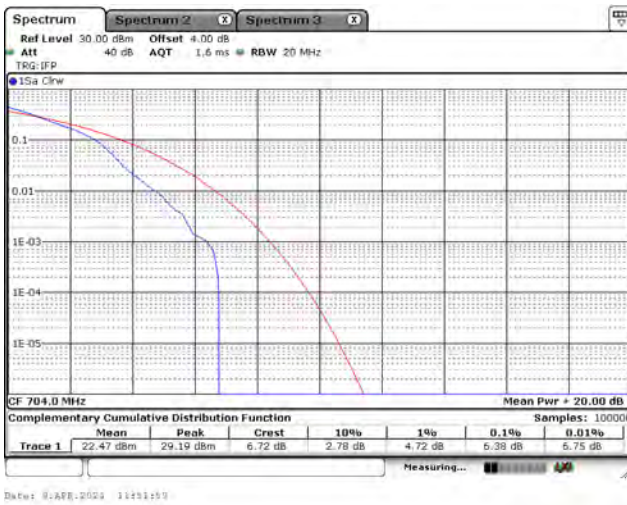
CH23095_5M_16-QAM_1RB0



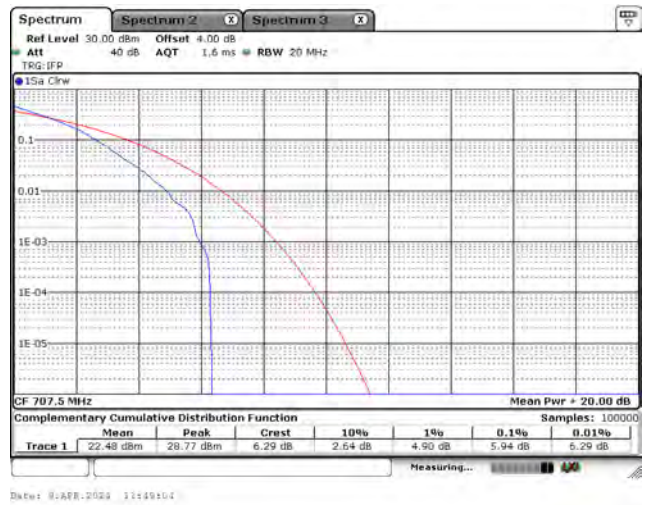
CH23155_5M_16-QAM_1RB5



CH23060_10M_QPSK_1RB0



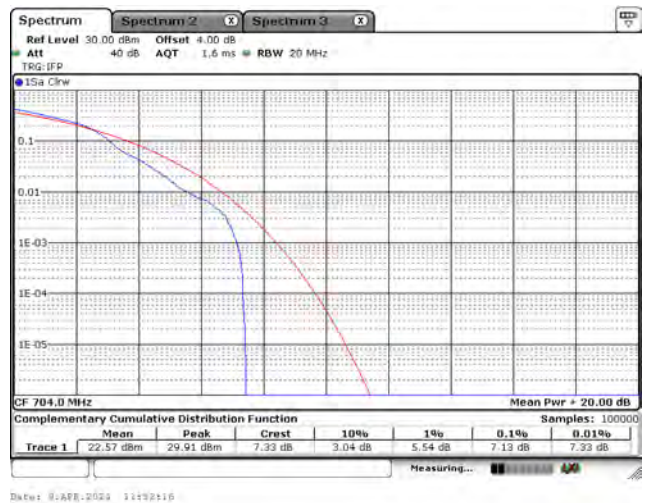
CH23095_10M_QPSK_1RB0



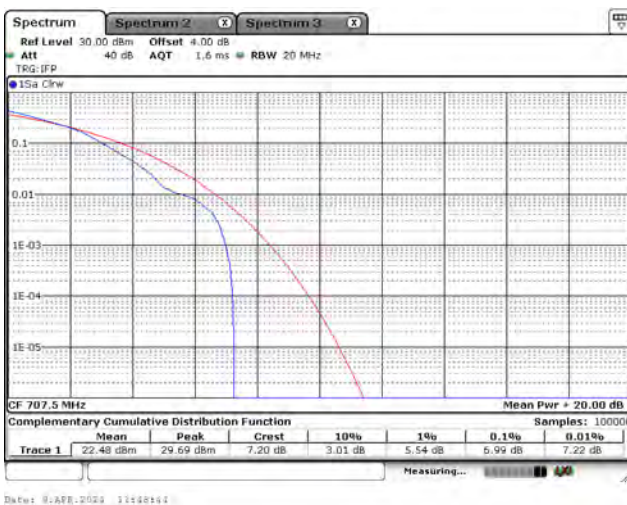
CH23130_10M_QPSK_1RB5



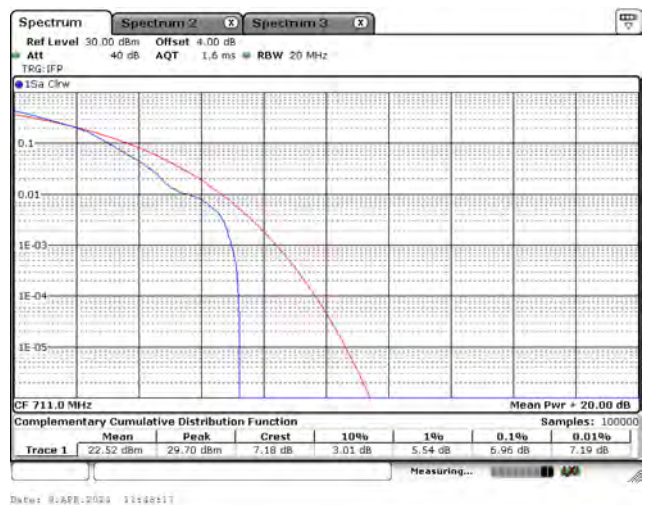
CH23060_10M_16-QAM_1RB0



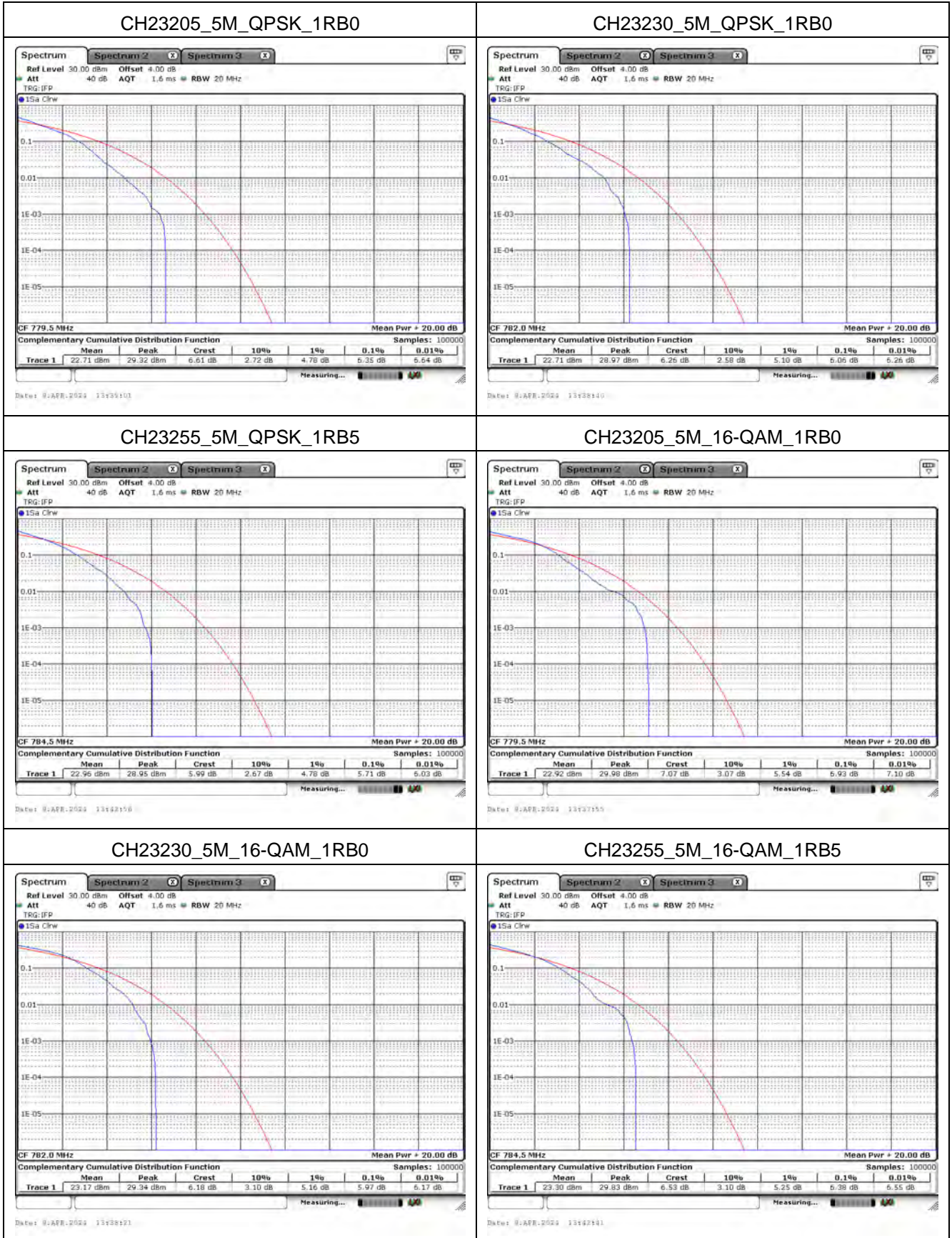
CH23095_10M_16-QAM_1RB0

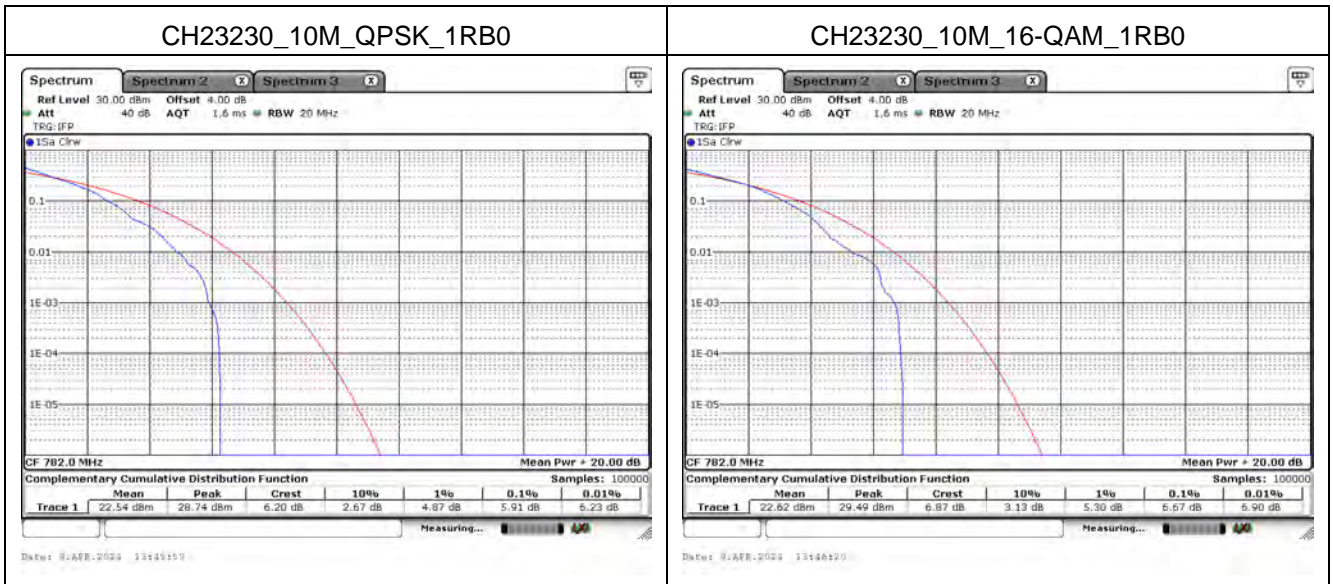


CH23130_10M_16-QAM_1RB5

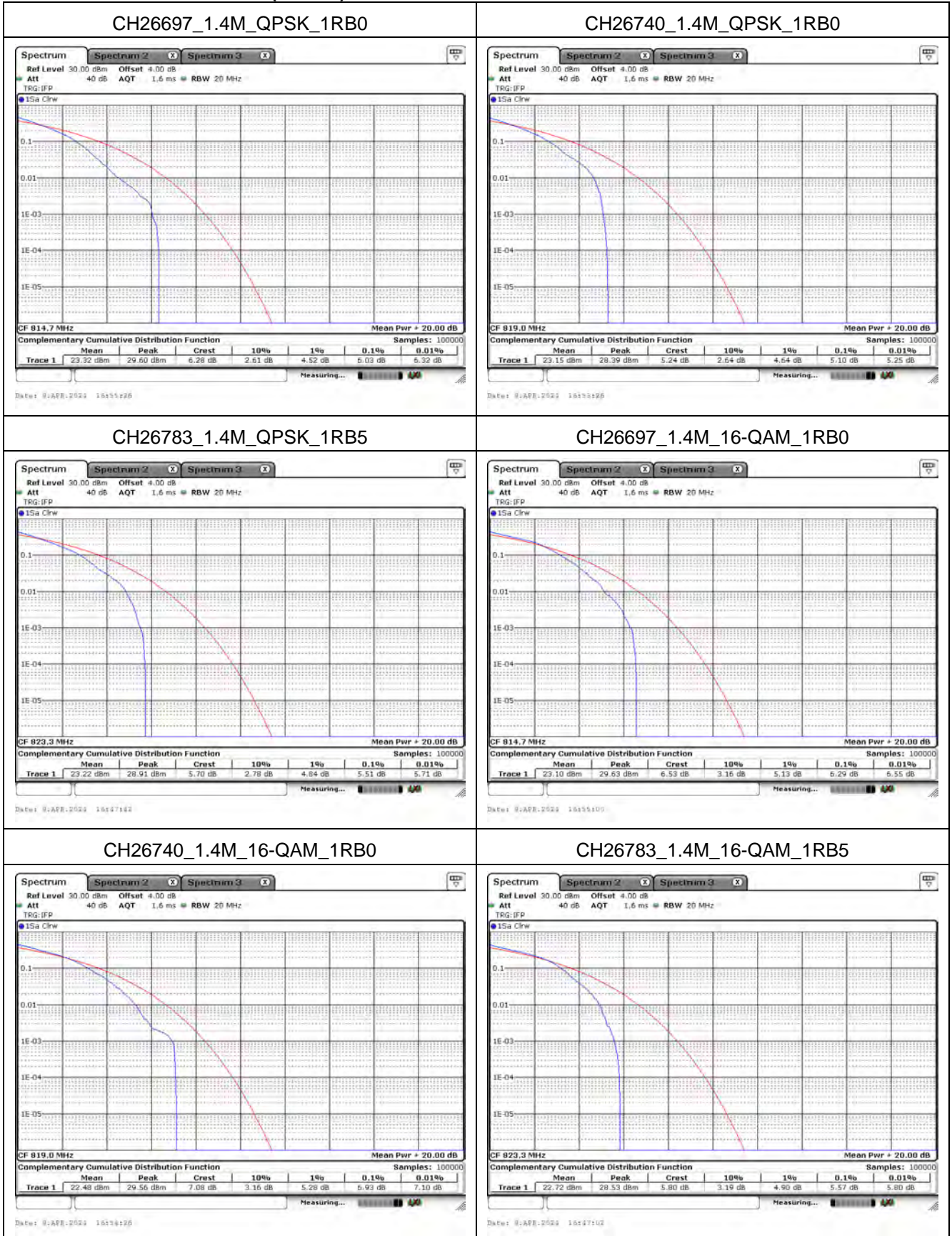


Mode 5: LTE Cat-M1 Band 13

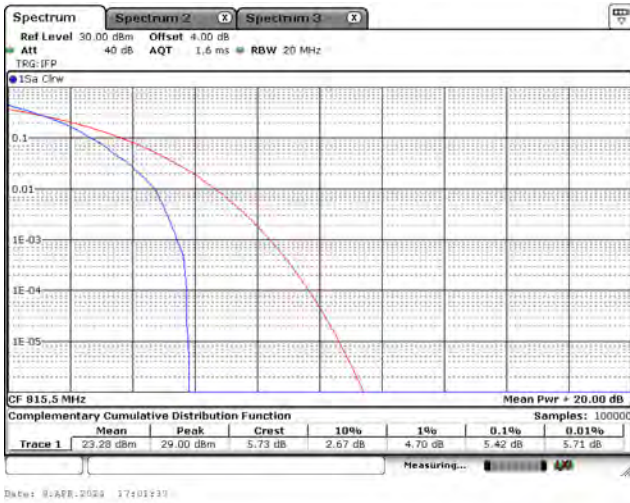




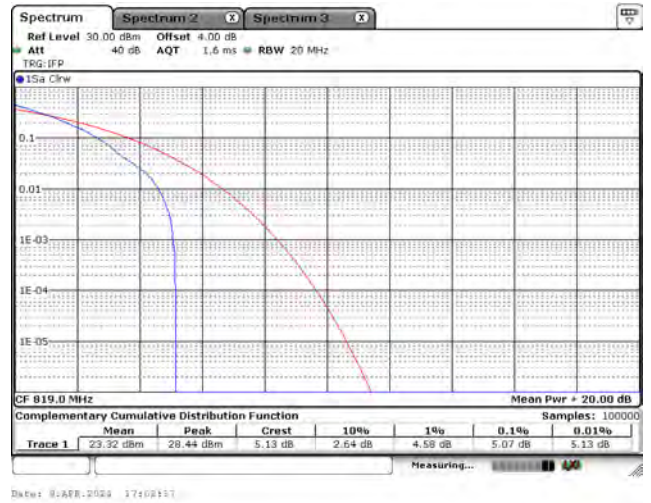
Mode 6: LTE Cat-M1 Band 26 (Part 90)



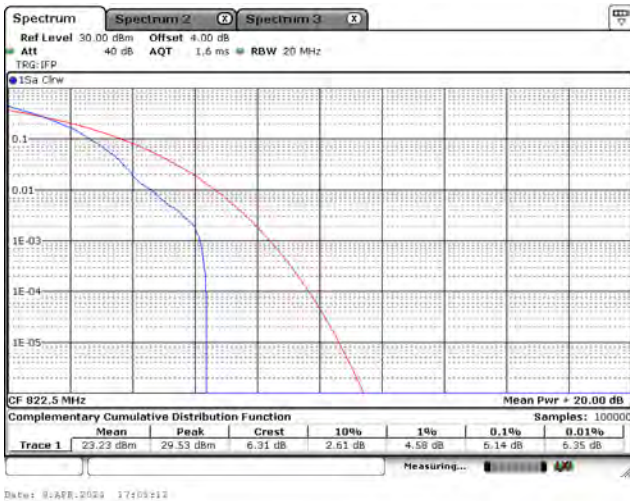
CH26705_3M_QPSK_1RB0



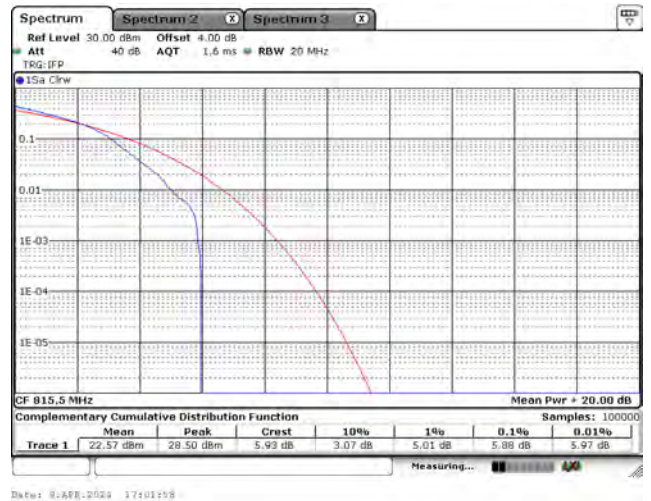
CH26740_3M_QPSK_1RB0



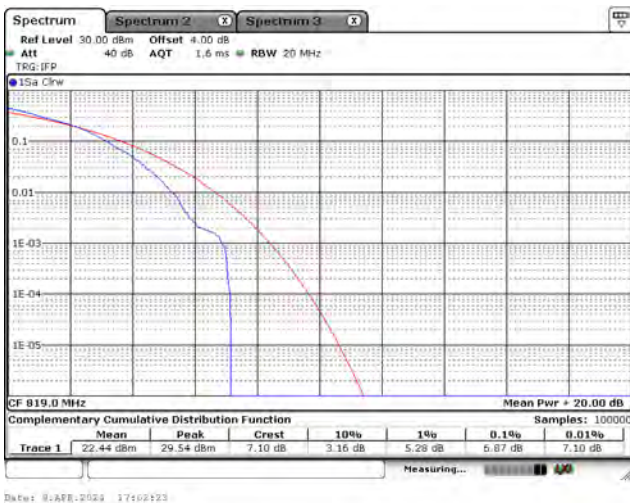
CH26775_3M_QPSK_1RB5



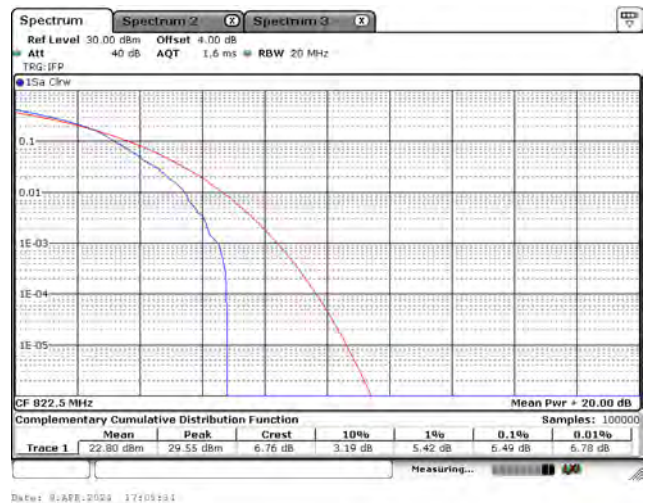
CH26705_3M_16-QAM_1RB0



CH26740_3M_16-QAM_1RB0



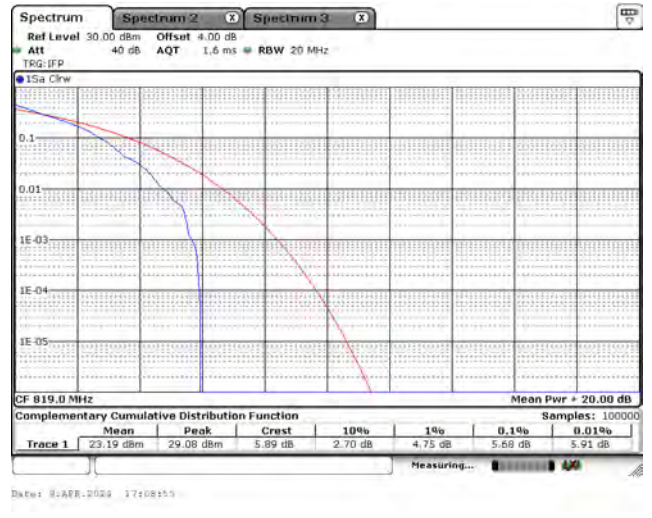
CH26775_3M_16-QAM_1RB5



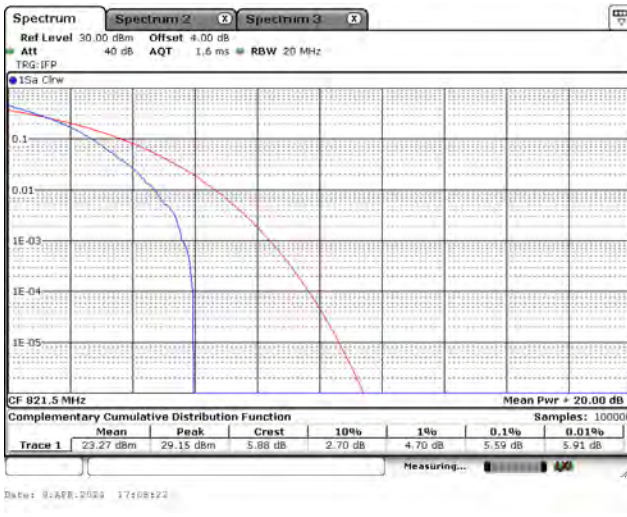
CH26715_5M_QPSK_1RB0



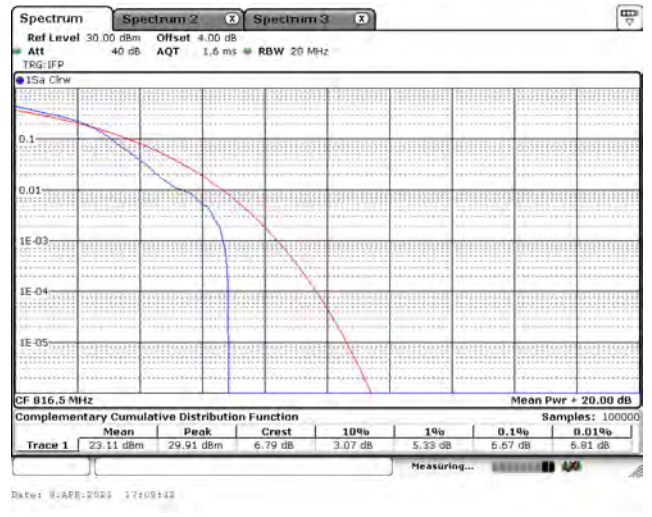
CH26740_5M_QPSK_1RB0



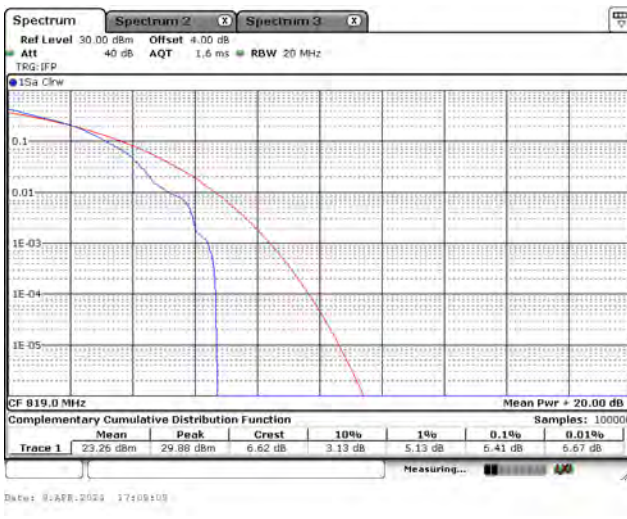
CH26765_5M_QPSK_1RB5



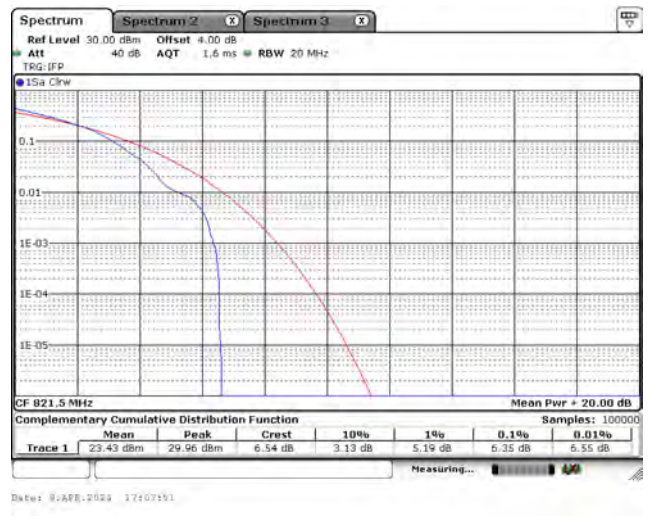
CH26715_5M_16-QAM_1RB0

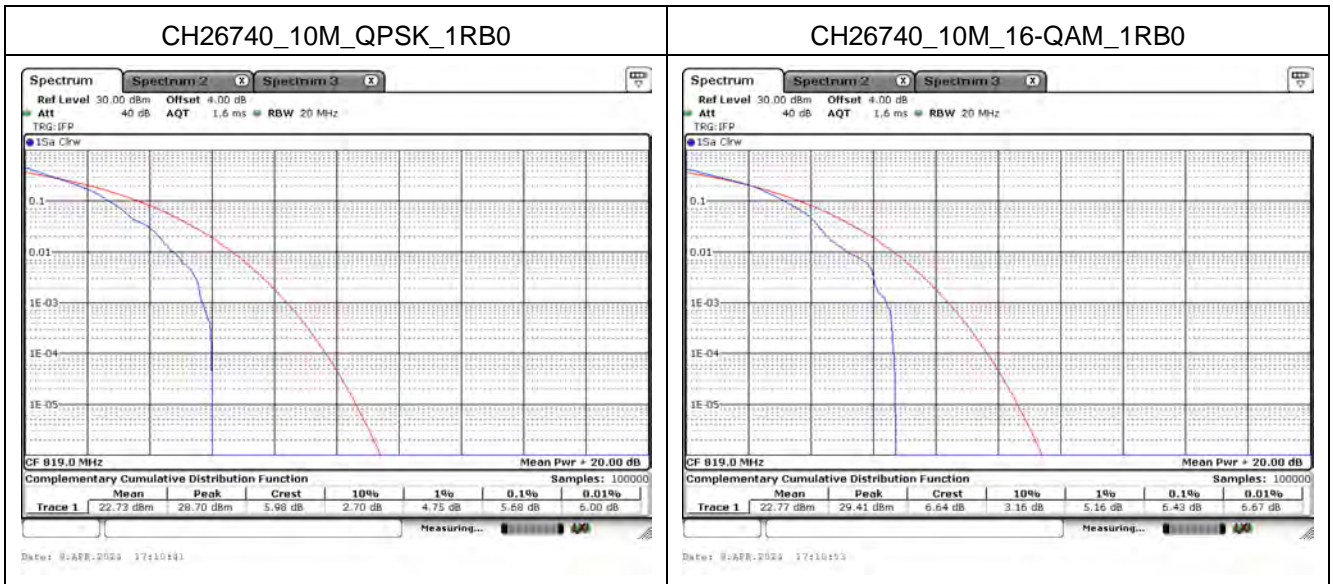


CH26740_5M_16-QAM_1RB0

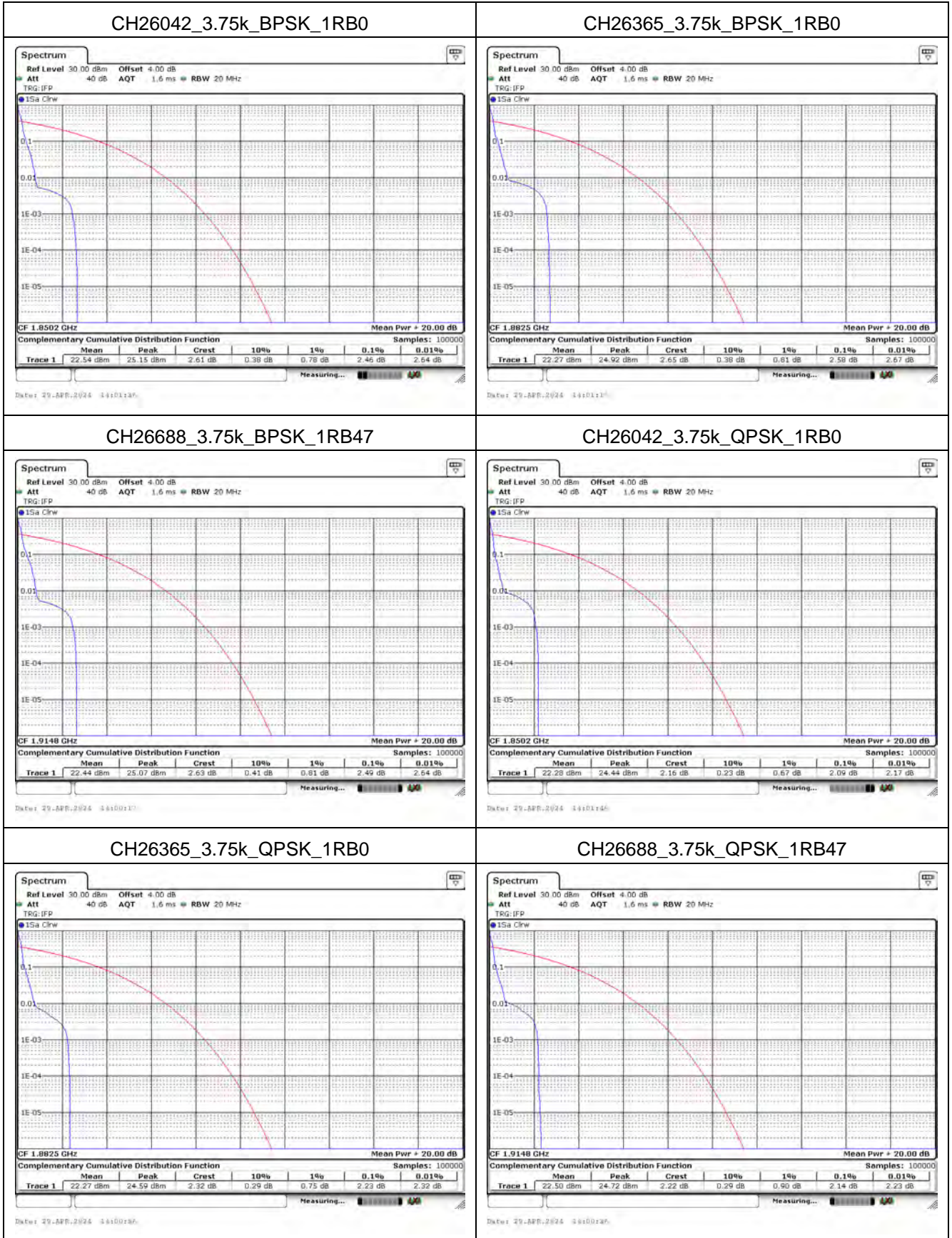


CH26765_5M_16-QAM_1RB5

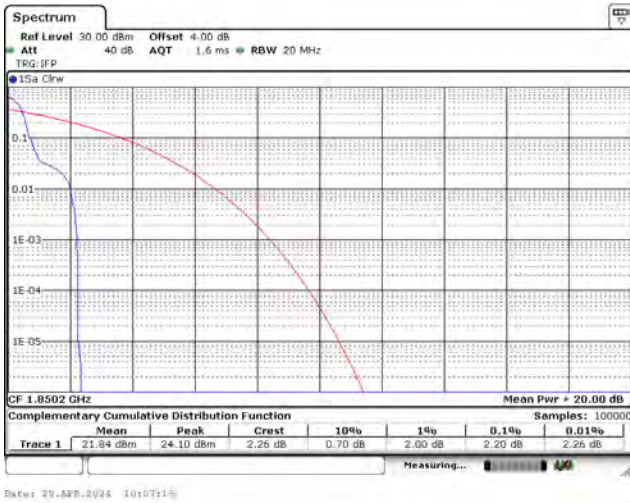




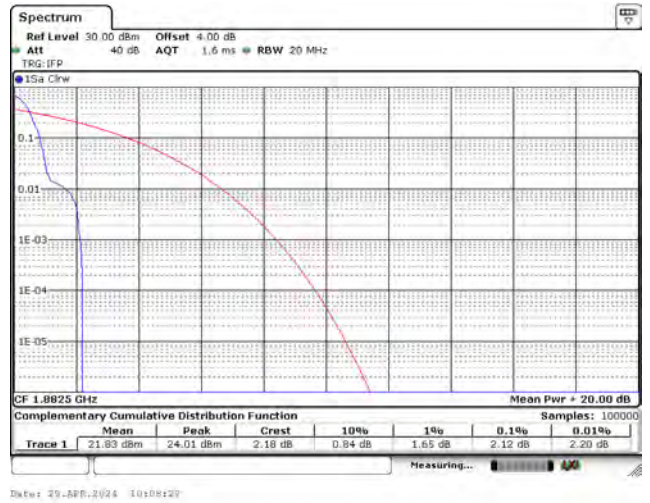
Mode 7: LTE NB-IoT Band 2 / 25



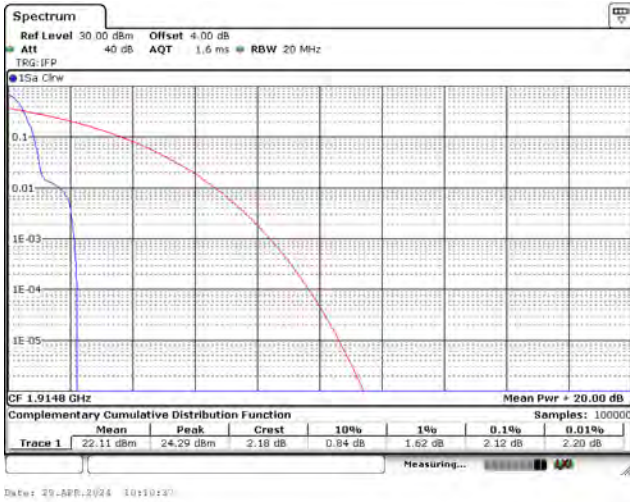
CH26042_15k_BPSK_1RB0



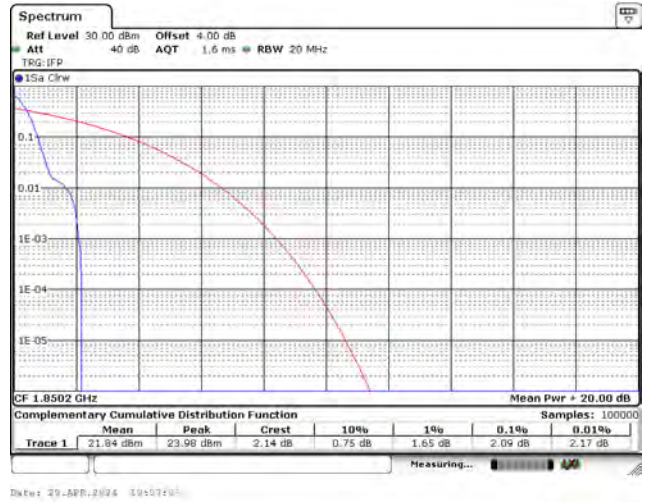
CH26365_15k_BPSK_1RB0



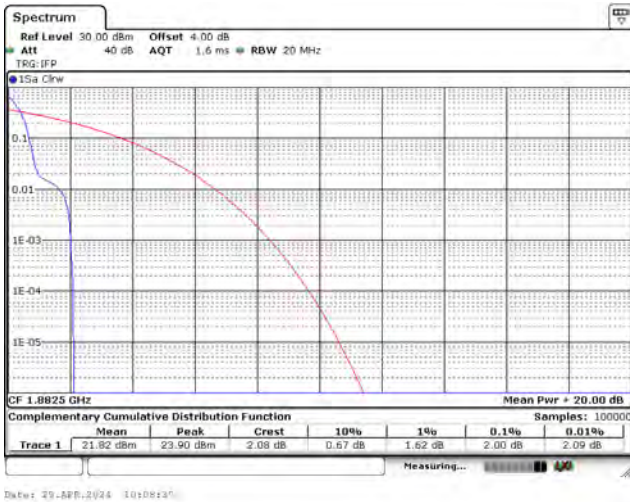
CH26688_15k_BPSK_1RB11



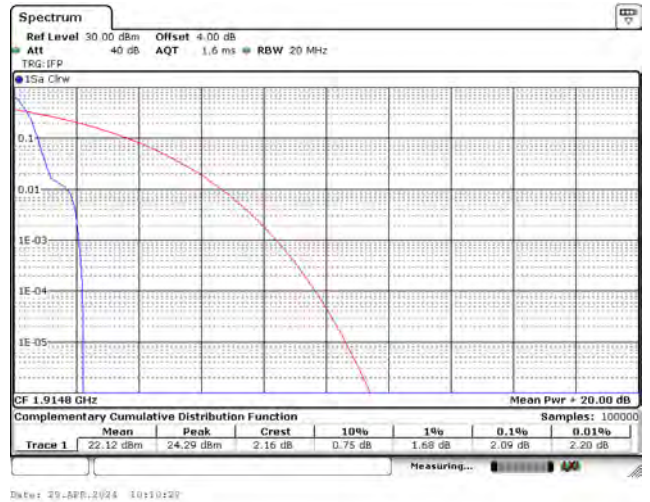
CH26042_15k_QPSK_1RB0



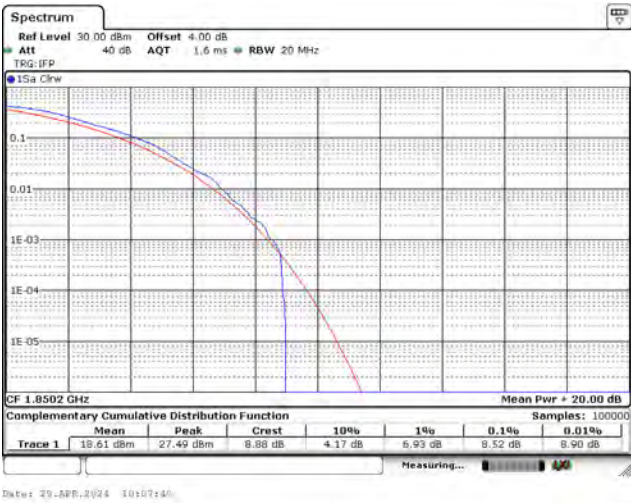
CH26365_15k_QPSK_1RB0



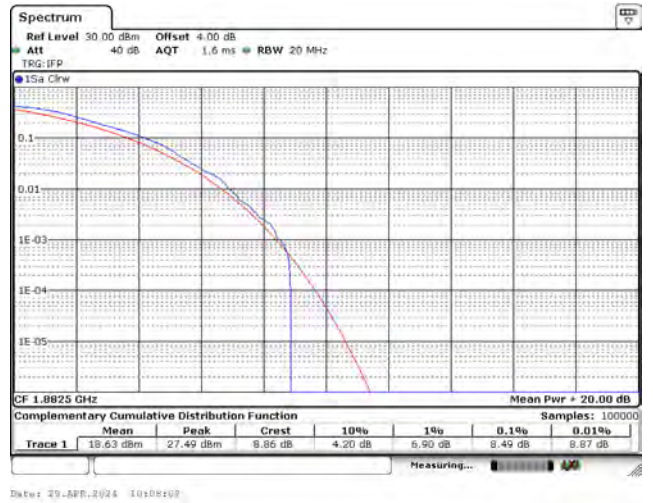
CH26688_15k_QPSK_1RB11



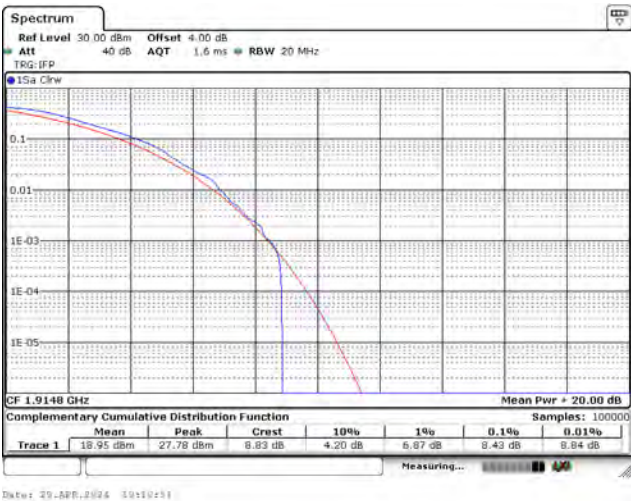
CH26042_15k_QPSK_12RB0



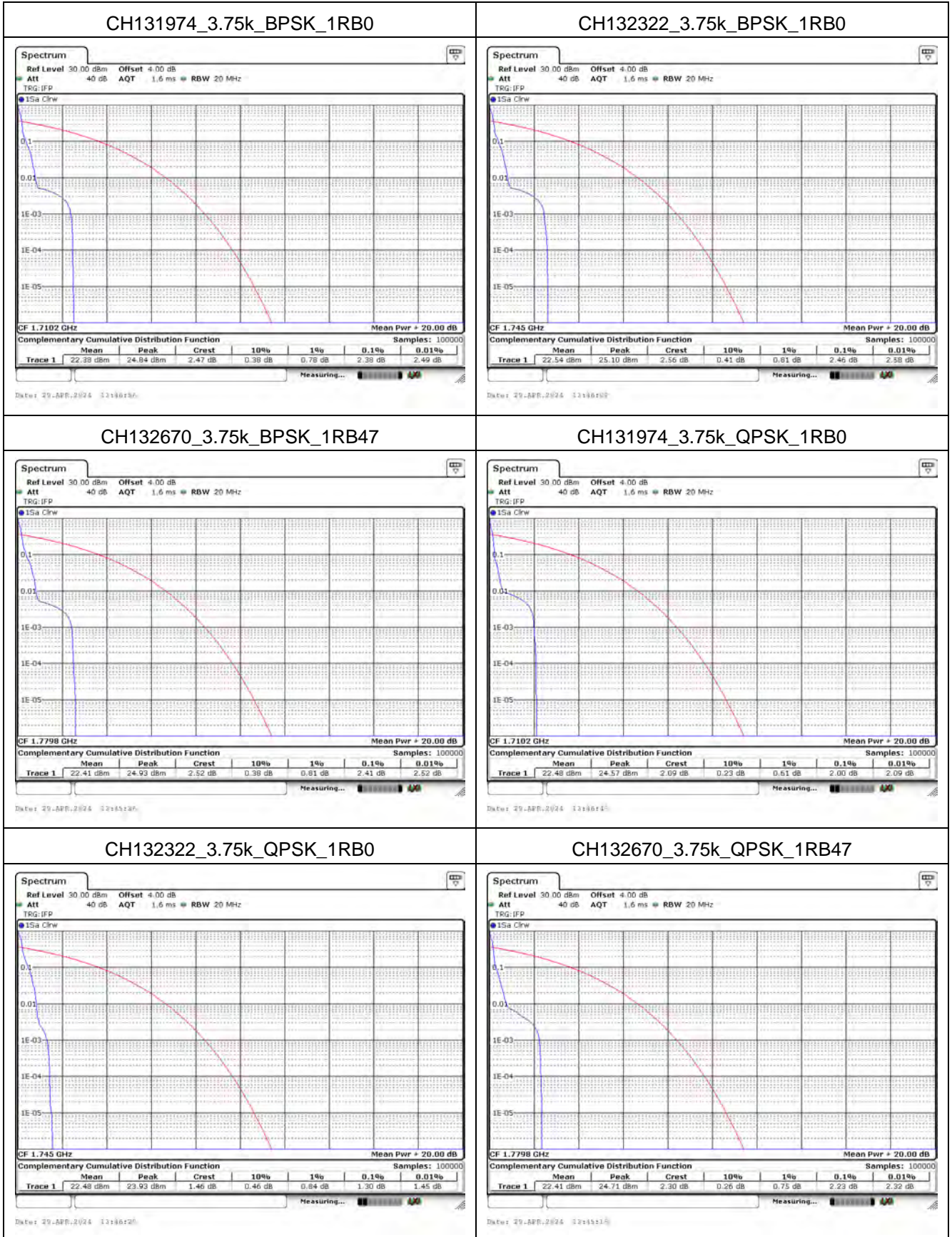
CH26365_15k_QPSK_12RB0



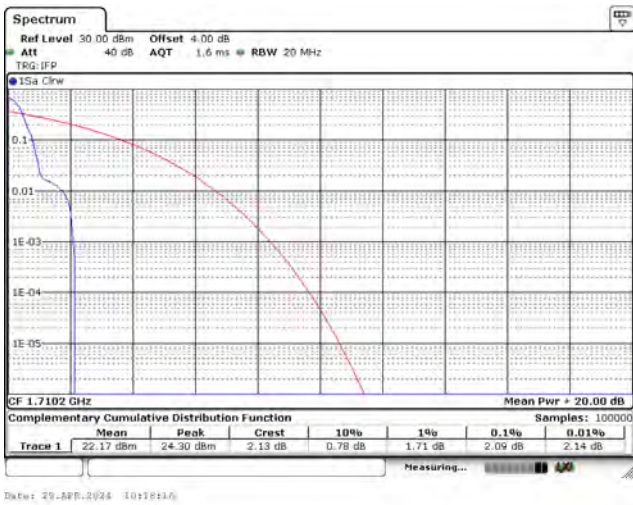
CH26688_15k_QPSK_12RB0



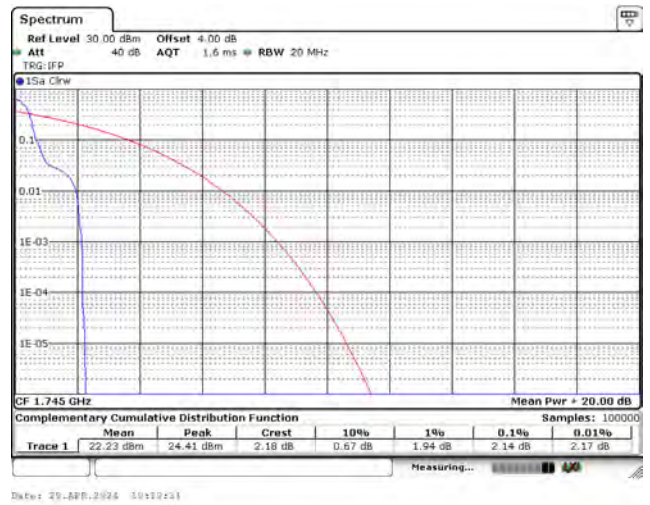
Mode 8: LTE NB-IoT Band 4 / 66



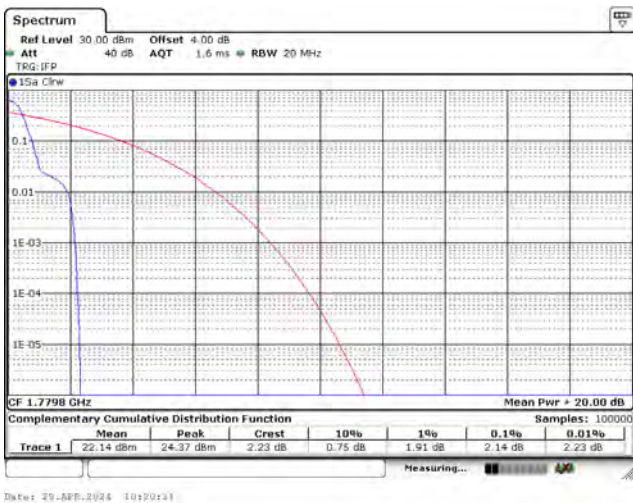
CH131974_15k_BPSK_1RB0



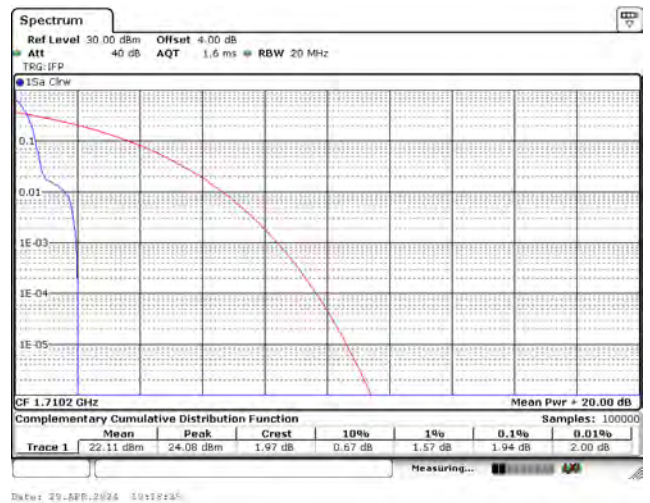
CH132322_15k_BPSK_1RB0



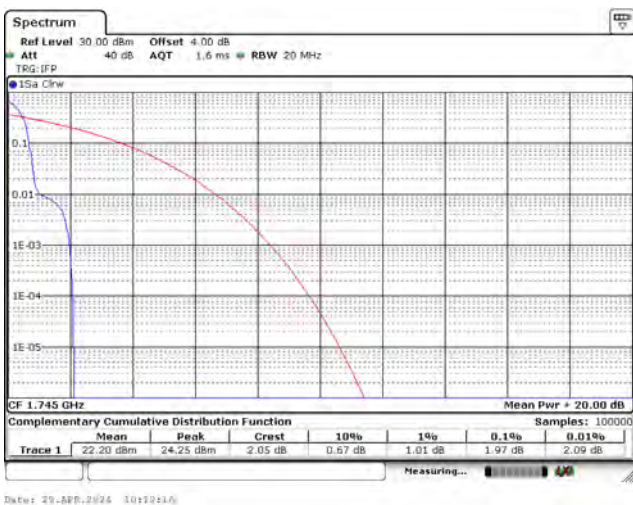
CH132670_15k_BPSK_1RB11



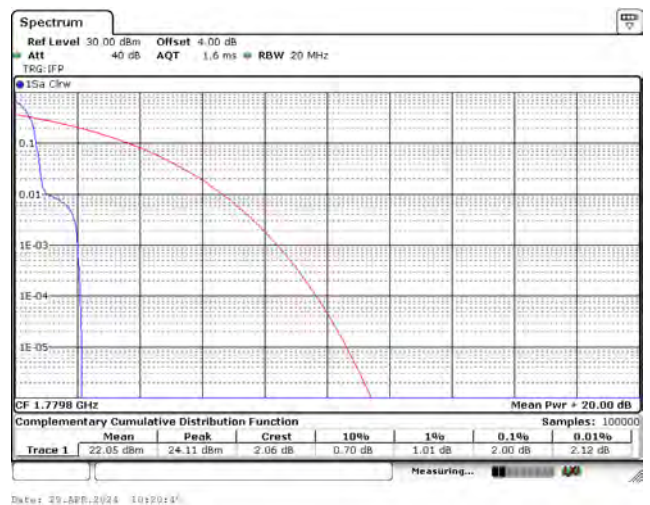
CH131974_15k_QPSK_1RB0



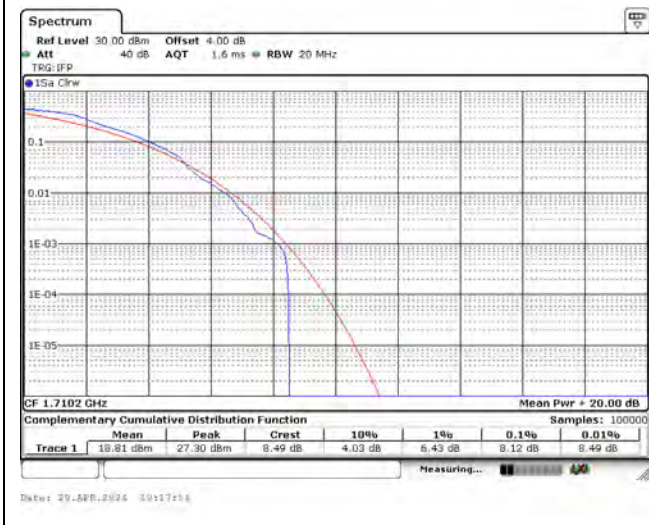
CH132322_15k_QPSK_1RB0



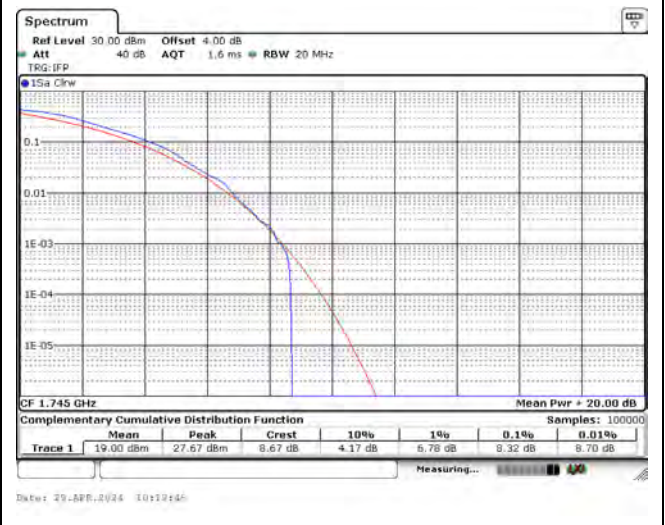
CH132670_15k_QPSK_1RB11



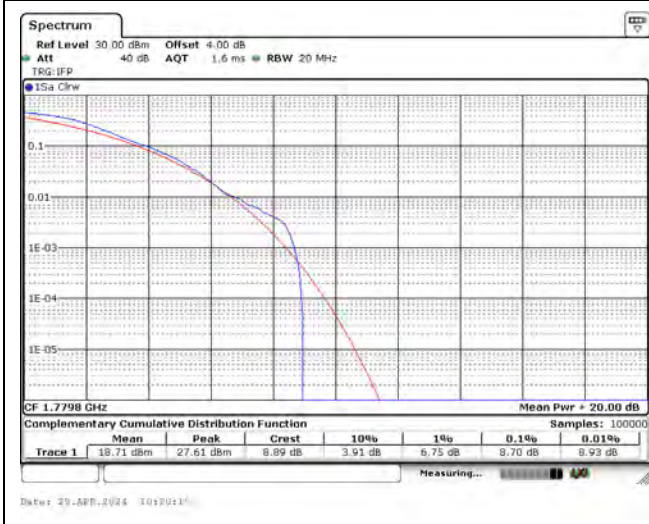
CH131974_15k_QPSK_12RB0



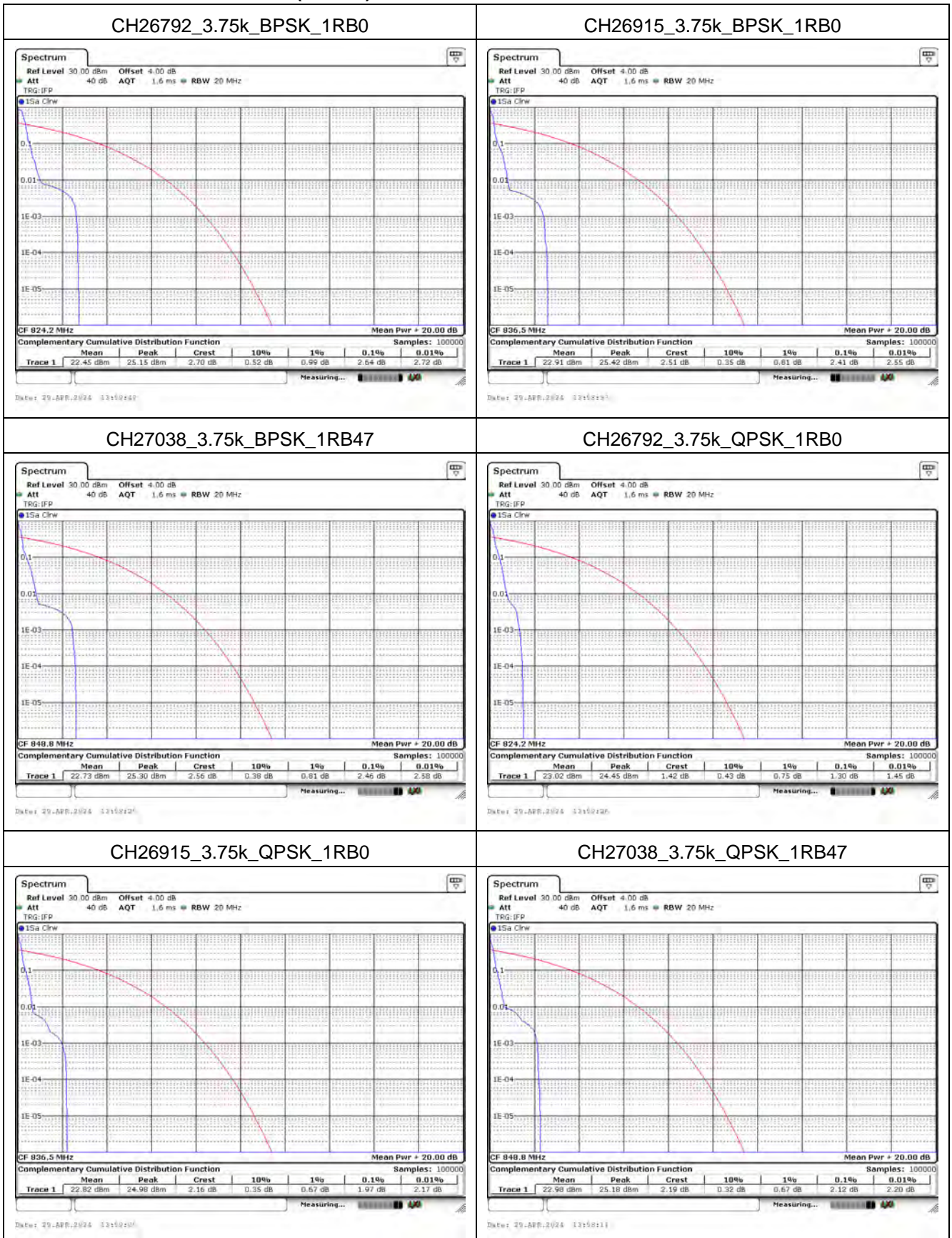
CH132322_15k_QPSK_12RB0



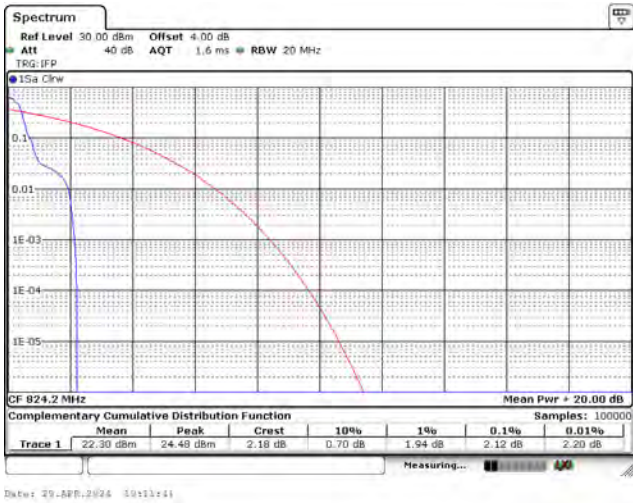
CH132670_15k_QPSK_12RB0



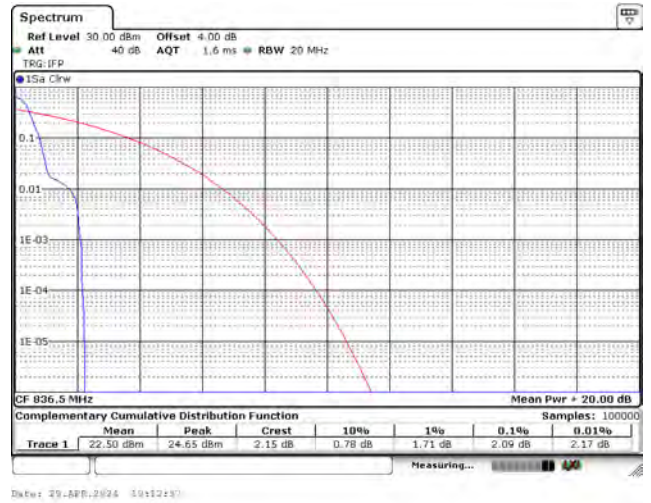
Mode 9: LTE NB-IoT Band 5 / 26 (Part 22)



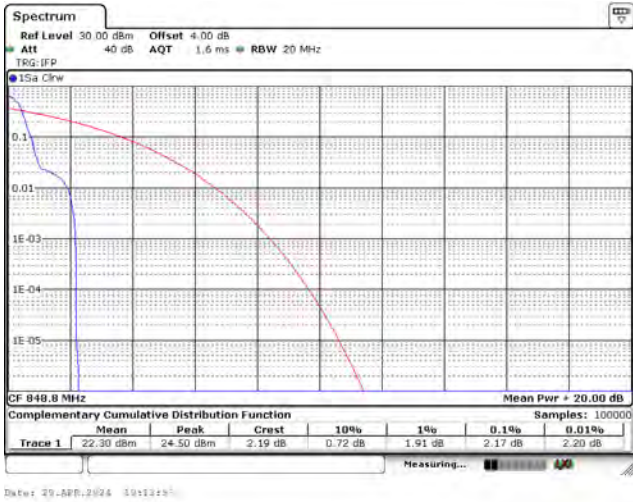
CH26792_15k_BPSK_1RB0



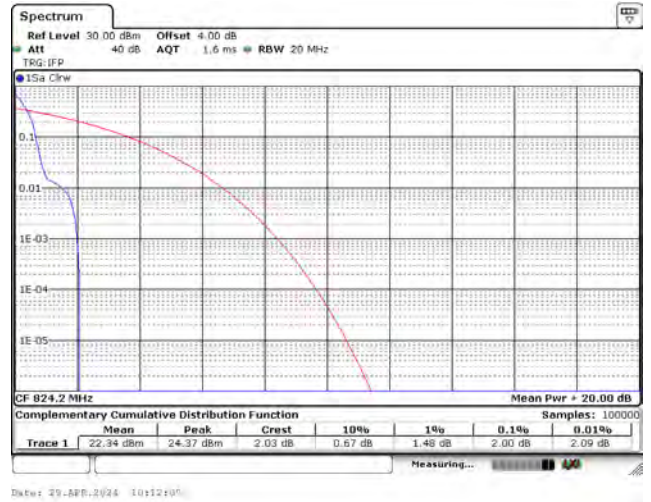
CH26915_15k_BPSK_1RB0



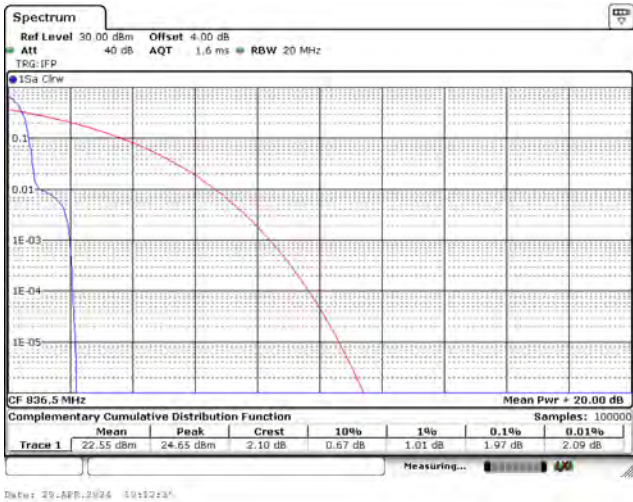
CH27038_15k_BPSK_1RB11



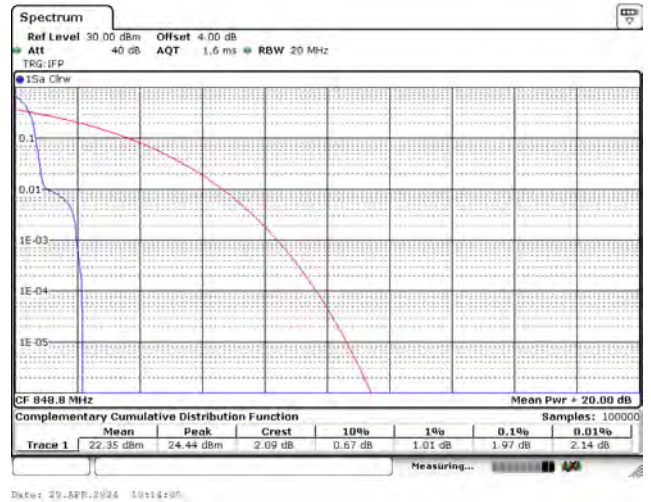
CH26792_15k_QPSK_1RB0



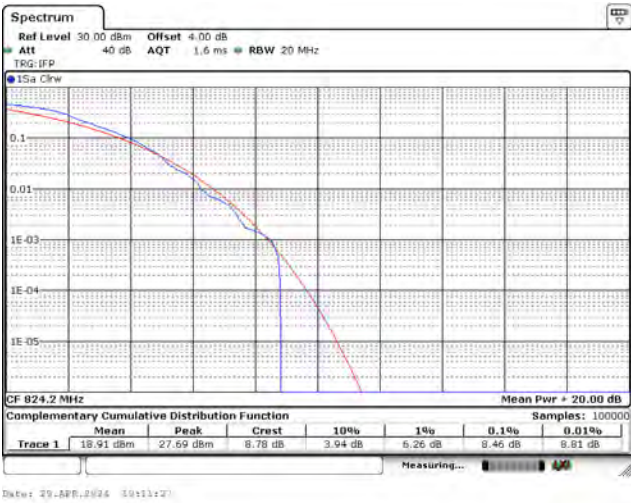
CH26915_15k_QPSK_1RB0



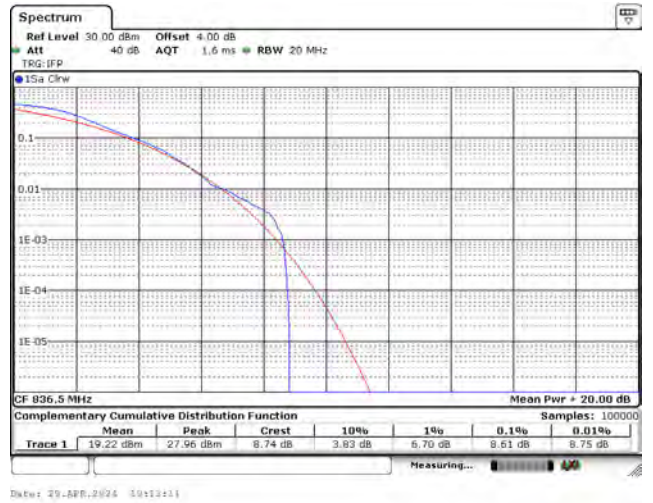
CH27038_15k_QPSK_1RB11



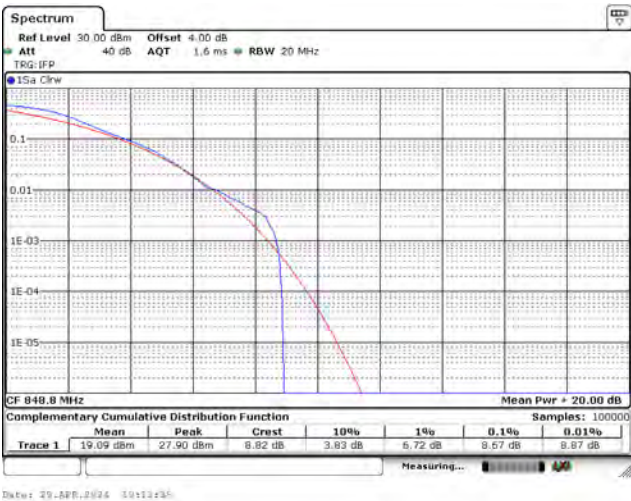
CH26792_15k_QPSK_12RB0



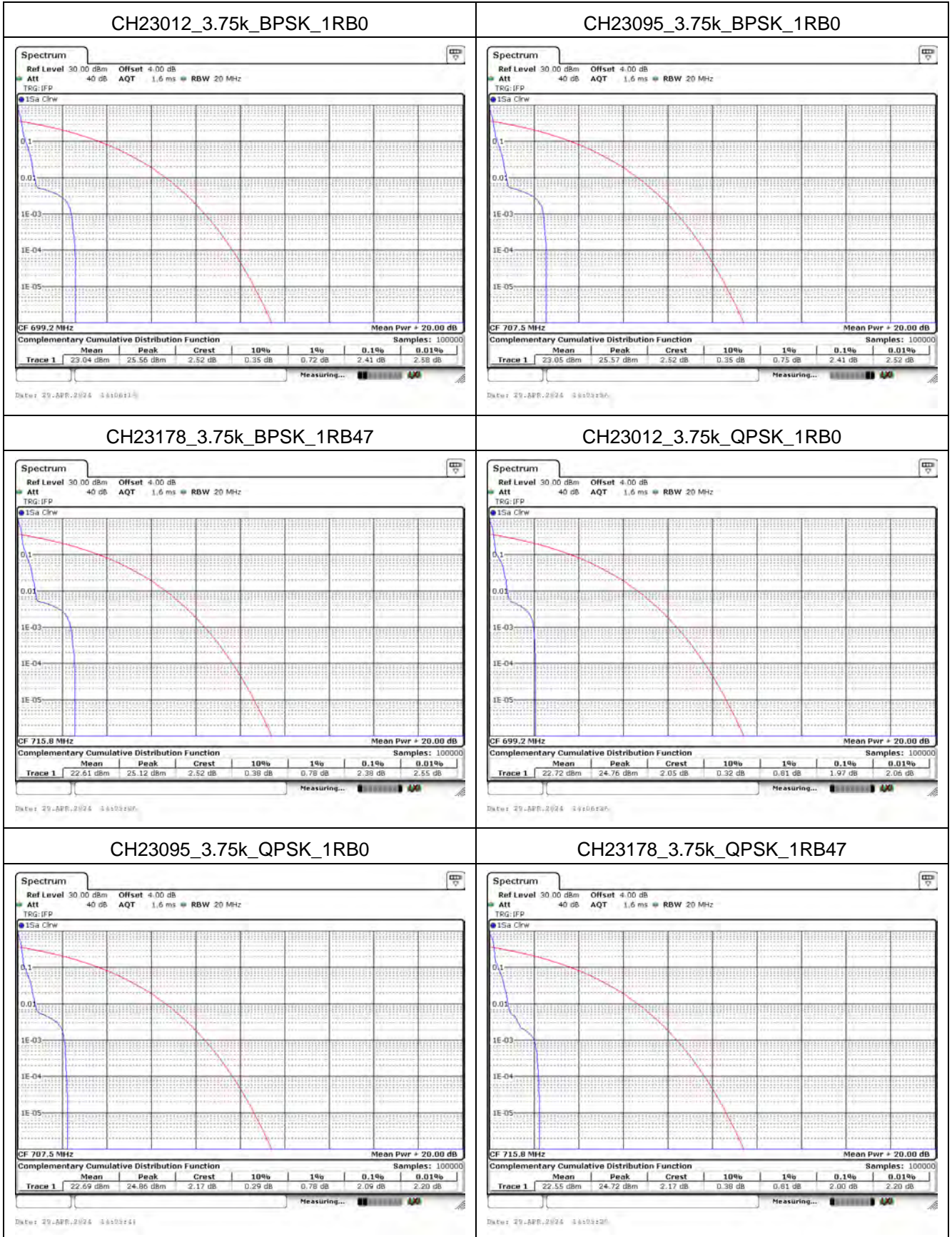
CH26915_15k_QPSK_12RB0



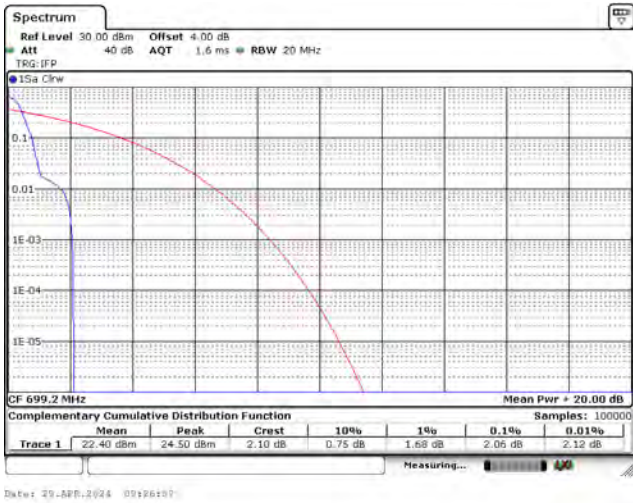
CH27038_15k_QPSK_12RB0



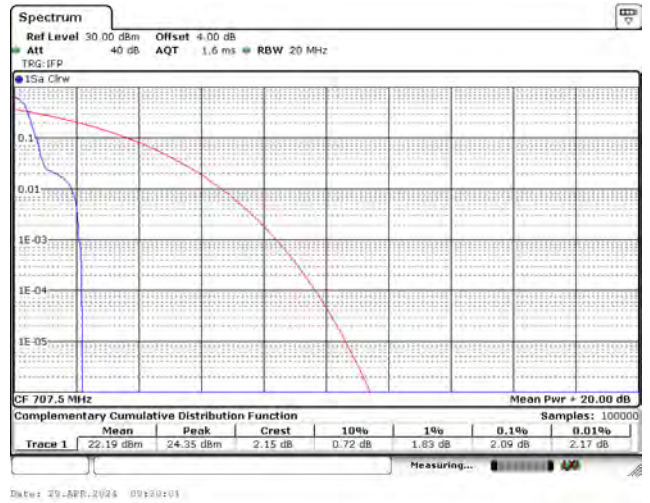
Mode 10: LTE NB-IoT Band 12



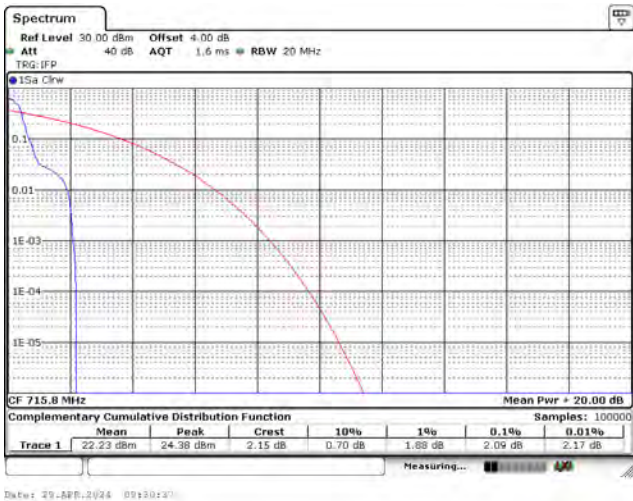
CH23012_15k_BPSK_1RB0



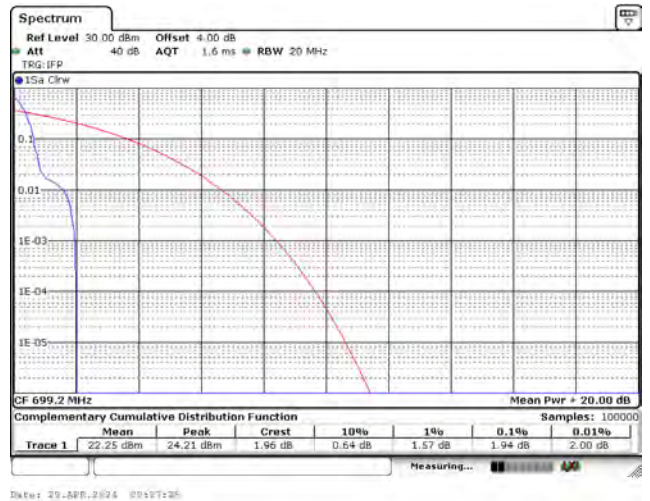
CH23095_15k_BPSK_1RB0



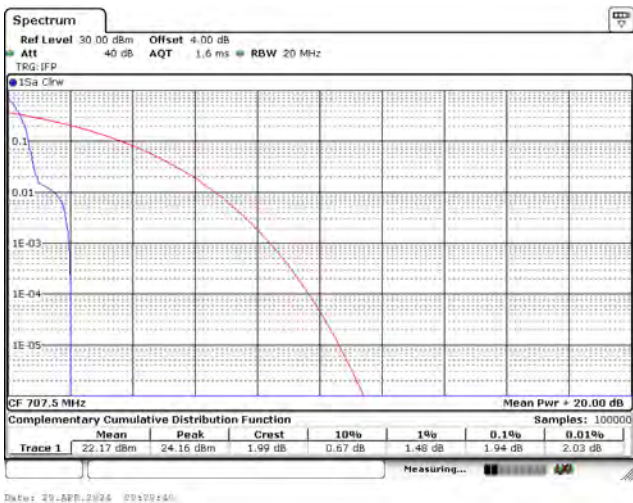
CH23178_15k_BPSK_1RB11



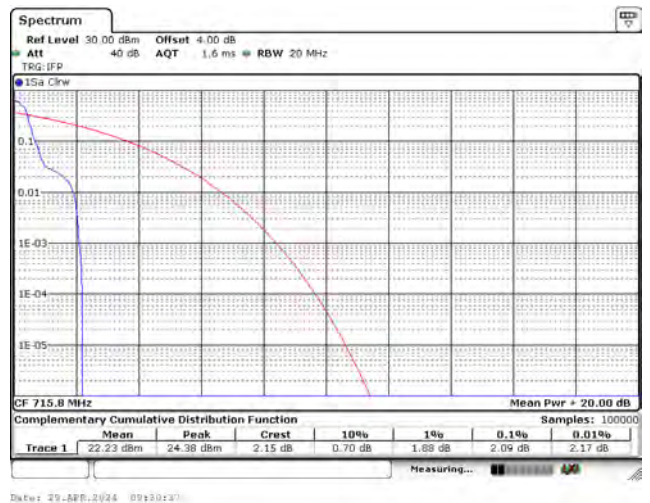
CH23012_15k_QPSK_1RB0



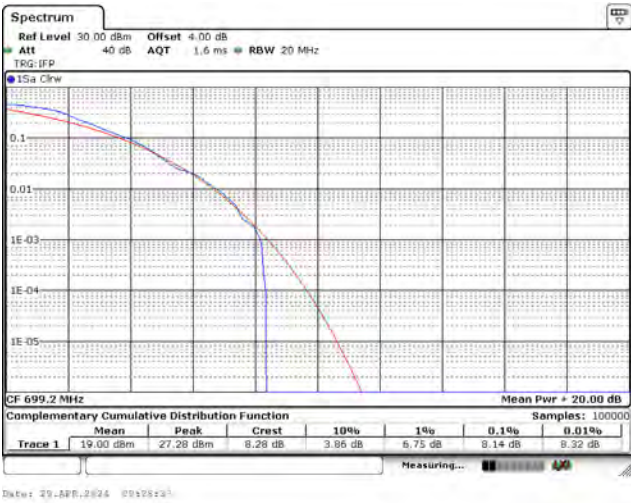
CH23095_15k_QPSK_1RB0



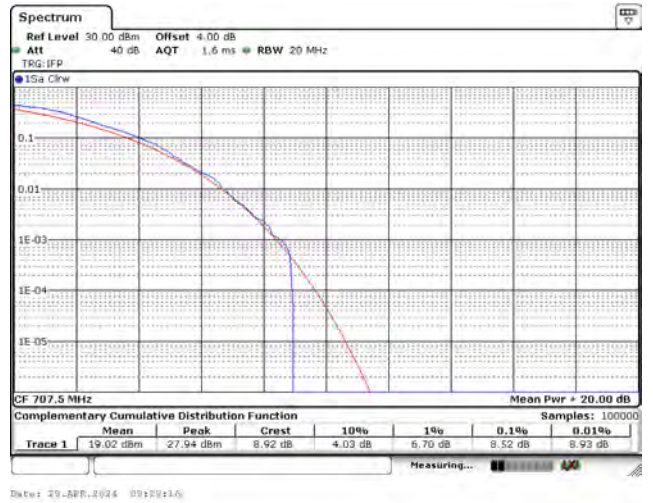
CH23178_15k_QPSK_1RB11



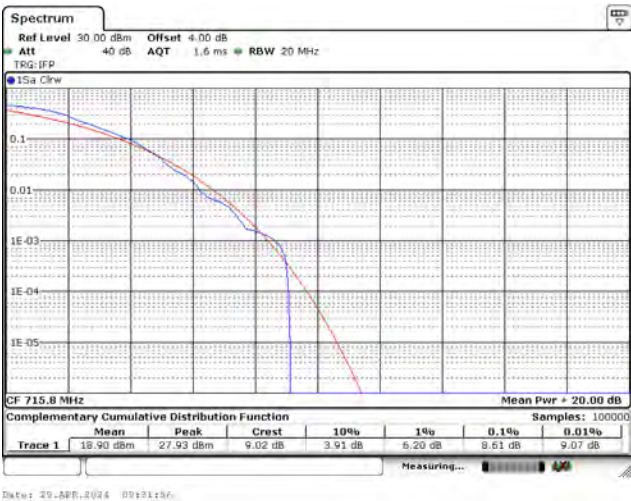
CH23012_15k_QPSK_12RB0



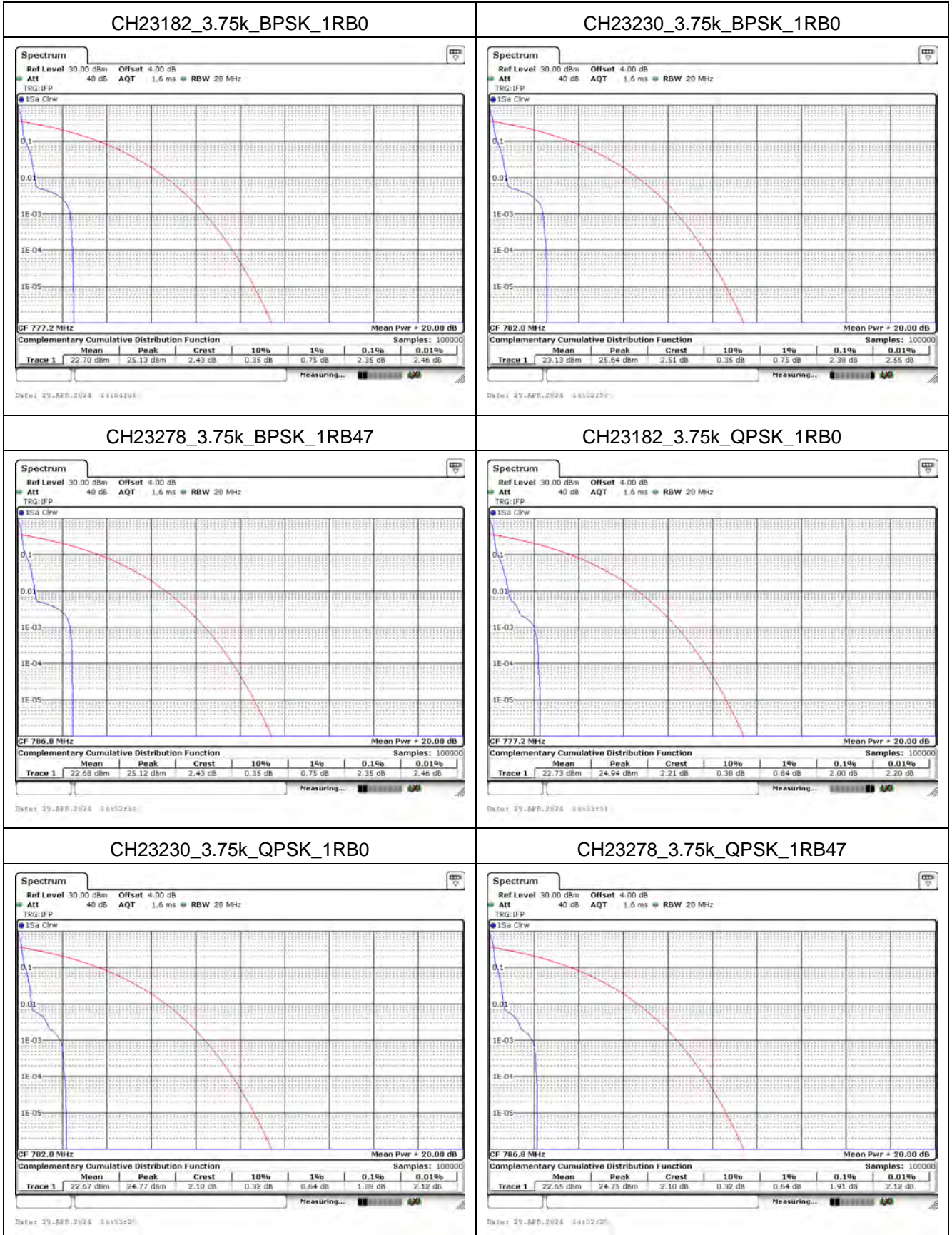
CH23095_15k_QPSK_12RB0



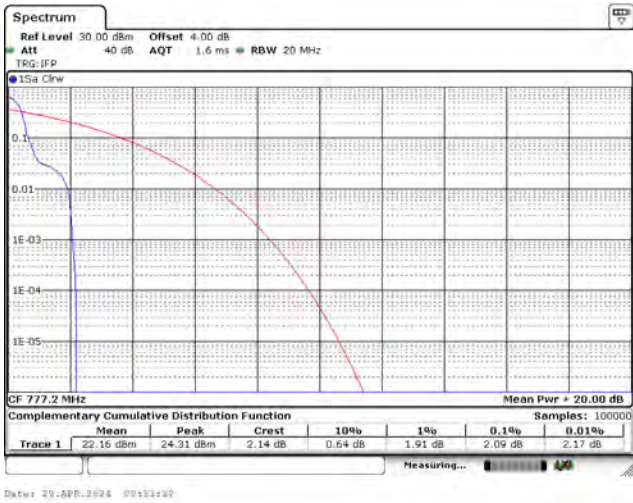
CH23178_15k_QPSK_12RB0



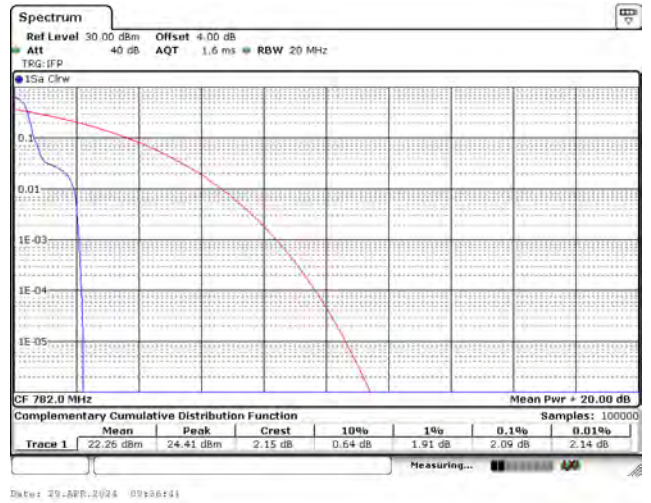
Mode 11: LTE NB-IoT Band 13



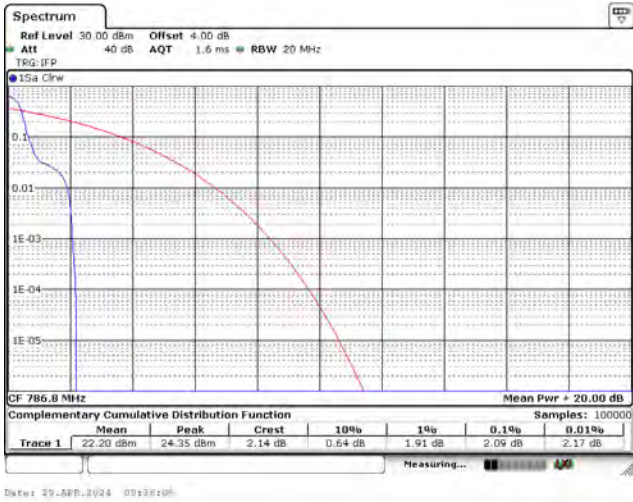
CH23182_15k_BPSK_1RB0



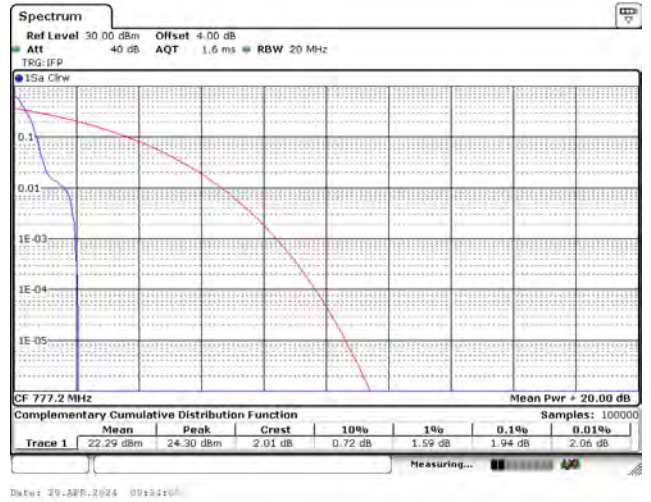
CH23230_15k_BPSK_1RB0



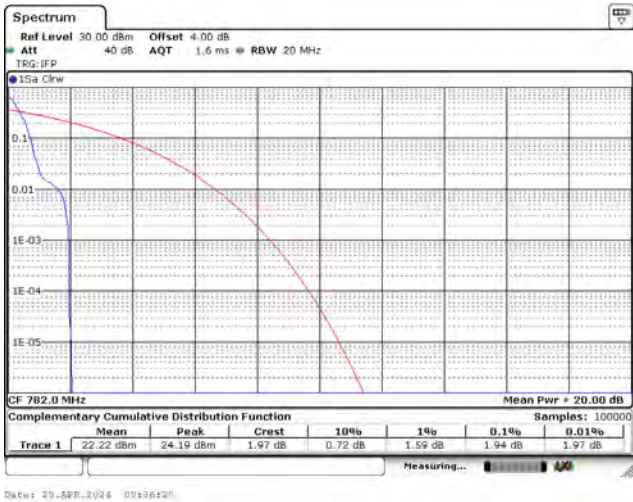
CH23278_15k_BPSK_1RB11



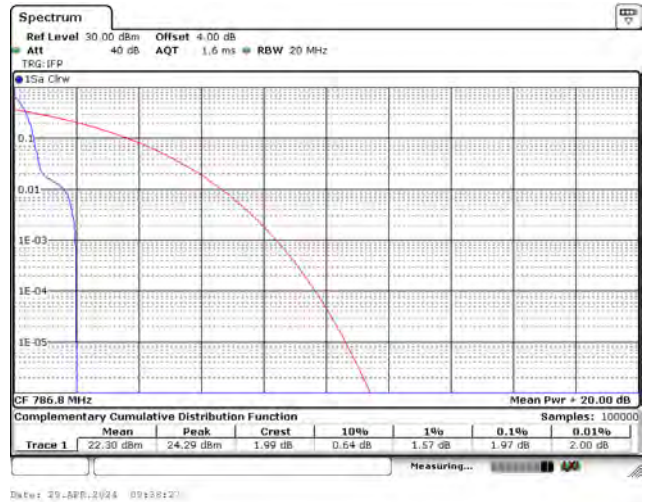
CH23182_15k_QPSK_1RB0



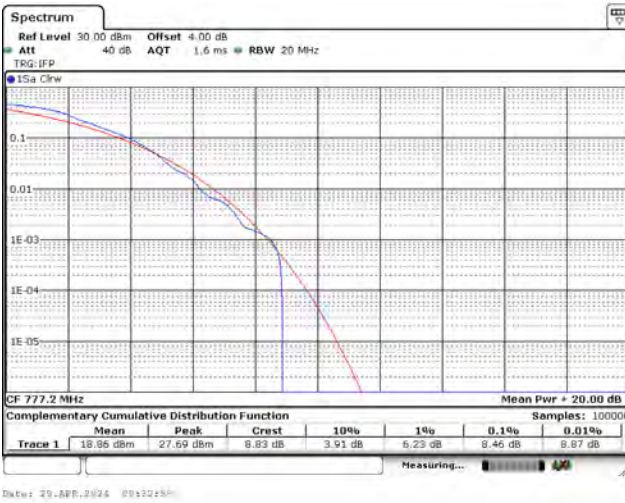
CH23230_15k_QPSK_1RB0



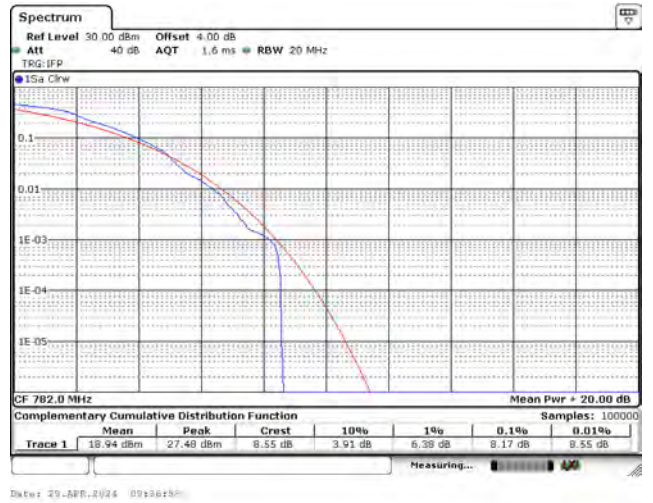
CH23278_15k_QPSK_1RB11



CH23182_15k_QPSK_12RB0



CH23230_15k_QPSK_12RB0



CH23278_15k_QPSK_12RB0

