

Appendix B

E-UTRA Band 2

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1. Main Test Instruments

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12
Spectrum Analyzer (20Hz-43GHz)	Rohde & Schwarz	FSU43	SEM004-08	2019/3/2	2020/3/1
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/4/13	2021/4/12
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2018/9/2	2019/9/2
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2018/9/2	2019/9/2
Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	EMC2063	2018/10/20	2019/10/19
Pre-amplifier (26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2019/3/2	2020/3/1
Band filter	N/A	N/A	N/A	N/A	N/A
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2019/6/12	2020/6/11
Wideband Radio CommunicationTeste	Anristu	MT8821C	6201462742	2019/4/3	2020/4/3
Wideband Radio CommunicationTester	Rohde & Schwarz	CMW500	W005-02	2019/1/13	2020/1/12
RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
Dual Output Mobile Communication DC Source	Agilent Technologies Inc	66311B	W009-09	2018/11/2	2019/11/1
Signal Analyzer	Rohde & Schwarz	FSV	W005-02	2019/3/2	2020/3/1
Coaxial Cable	SGS	N/A	SEM031-01	2019/6/12	2020/6/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2018/11/2	2019/11/1
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	HTC-1	W006-17	2018/11/2	2019/11/1
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2018/11/2	2019/11/1
Wideband Radio CommunicationTeste	Anristu	MT8821C	6201462742	2019/3/2	2020/3/1
Wideband Radio CommunicationTester	Rohde & Schwarz	CMW500	W005-02	2018/11/2	2019/11/1

2. Measurement Uncertainty

For a 95% confidence level ($k = 2$), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

Test Item	Extended Uncertainty	Data
Transmit Output Power Data	Power [dBm]	$U = \pm 0.37 \text{ dB}$
Bandwidth	Magnitude [%]	$U = \pm 0.2\%$
Band Edge Compliance	Disturbance Power [dBm]	$U = \pm 2.0 \text{ dB}$
Spurious Emissions, Conducted	Disturbance Power [dBm]	$U = \pm 2.0 \text{ dB}$
Frequency Stability	Frequency Accuracy [ppm]	$U = \pm 0.24 \text{ ppm}$

3. Effective (Isotropic) Radiated Power

3.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.97	22.01	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.08	22.12	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.96	22.00	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.03	22.07	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.04	22.08	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.02	22.06	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.06	21.10	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.95	21.99	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.07	22.11	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.95	21.99	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.02	22.06	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.05	22.09	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.03	22.07	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.10	21.14	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.12	22.16	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.23	22.27	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.12	22.16	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.18	22.22	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.25	22.29	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.20	22.24	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.25	21.29	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.18	21.22	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.33	21.37	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.26	21.30	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.07	21.11	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.10	21.14	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.03	21.07	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.19	20.23	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.13	21.17	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.20	21.24	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.08	21.12	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.99	21.03	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.02	21.06	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.99	21.03	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.19	20.23	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.25	21.29	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.37	21.41	33.00	PASS

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Band2	1.4MHz	16QAM	19193	1RB#5	22.25	21.29	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.14	21.18	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.17	21.21	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.13	21.17	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.27	20.31	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.10	22.14	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.19	22.23	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.08	22.12	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.10	21.14	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.11	21.15	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.09	21.13	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.06	21.10	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.07	22.11	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.22	22.26	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.06	22.10	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.08	21.12	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.15	21.19	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.09	21.13	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.14	21.18	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.24	22.28	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.39	22.43	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.27	22.31	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.27	21.31	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.30	21.34	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.30	21.34	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.31	21.35	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.36	21.40	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.27	21.31	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.37	21.41	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.19	20.23	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.24	20.28	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.23	20.27	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.19	20.23	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.21	21.25	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.37	21.41	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.29	21.33	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.17	20.21	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.19	20.23	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.19	20.23	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.16	20.20	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.40	21.44	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.49	21.53	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.46	21.50	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.35	20.39	33.00	PASS

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Band2	3MHz	16QAM	19185	8RB#4	21.39	20.43	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.35	20.39	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.33	20.37	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.98	22.02	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.08	22.12	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.99	22.03	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.06	21.10	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.12	21.16	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.08	21.12	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.11	21.15	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.98	22.02	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.08	22.12	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.03	22.07	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.10	21.14	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.13	21.17	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.09	21.13	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.13	21.17	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.12	22.16	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.25	22.29	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.16	22.20	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.28	21.32	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.32	21.36	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.21	21.25	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.30	21.34	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.30	21.34	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.39	21.43	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.23	21.27	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.18	20.22	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.22	20.26	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.20	20.24	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.19	20.23	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.14	21.18	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.28	21.32	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.16	21.20	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.14	20.18	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.19	20.23	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.15	20.19	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.18	20.22	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.30	21.34	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.37	21.41	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.36	21.40	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.35	20.39	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.38	20.42	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.28	20.32	33.00	PASS

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Band2	5MHz	16QAM	19175	25RB#0	21.33	20.37	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.08	22.12	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.21	22.25	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.07	22.11	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.12	21.16	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.15	21.19	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.19	21.23	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.20	21.24	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.04	22.08	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.17	22.21	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.08	22.12	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.24	21.28	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.19	21.23	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.15	21.19	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.24	21.28	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.21	22.25	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.25	22.29	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.22	22.26	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.36	21.40	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.31	21.35	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.28	21.32	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.34	21.38	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.39	21.43	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.48	21.52	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.35	21.39	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.19	20.23	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.22	20.26	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.28	20.32	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.25	20.29	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.18	21.22	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.35	21.39	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.29	21.33	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.25	20.29	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.20	20.24	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.17	20.21	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.25	20.29	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.42	21.46	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.43	21.47	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.37	21.41	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.37	20.41	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.35	20.39	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.29	20.33	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.36	20.40	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.06	22.10	33.00	PASS

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Band2	15MHz	QPSK	18675	1RB#38	23.14	22.18	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.01	22.05	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.10	21.14	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.14	21.18	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.19	21.23	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.17	21.21	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.02	22.06	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.10	22.14	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.06	22.10	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.17	21.21	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.17	21.21	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.12	21.16	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.16	21.20	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.13	22.17	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.24	22.28	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.19	22.23	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.26	21.30	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.32	21.36	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.26	21.30	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.26	21.30	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.33	21.37	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.47	21.51	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.21	21.25	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.19	20.23	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.23	20.27	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.29	20.33	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.21	20.25	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.22	21.26	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.27	21.31	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.34	21.38	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.22	20.26	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.20	20.24	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.17	20.21	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.18	20.22	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.41	21.45	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.41	21.45	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.36	21.40	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.32	20.36	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.33	20.37	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.30	20.34	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.31	20.35	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.03	22.07	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.20	22.24	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.95	21.99	33.00	PASS

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Band2	20MHz	QPSK	18700	50RB#0	22.07	21.11	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.19	21.23	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.27	21.31	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.19	21.23	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.01	22.05	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.25	22.29	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.99	22.03	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.15	21.19	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.21	21.25	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.25	21.29	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.17	21.21	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.07	22.11	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.29	22.33	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.13	22.17	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.27	21.31	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.35	21.39	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.28	21.32	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.27	21.31	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.35	21.39	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.46	21.50	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.15	21.19	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.17	20.21	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.24	20.28	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.30	20.34	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.17	20.21	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.19	21.23	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.34	21.38	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.23	21.27	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.26	20.30	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.24	20.28	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.12	20.16	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.18	20.22	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.35	21.39	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.44	21.48	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.30	21.34	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.30	20.34	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.38	20.42	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.28	20.32	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.25	20.29	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

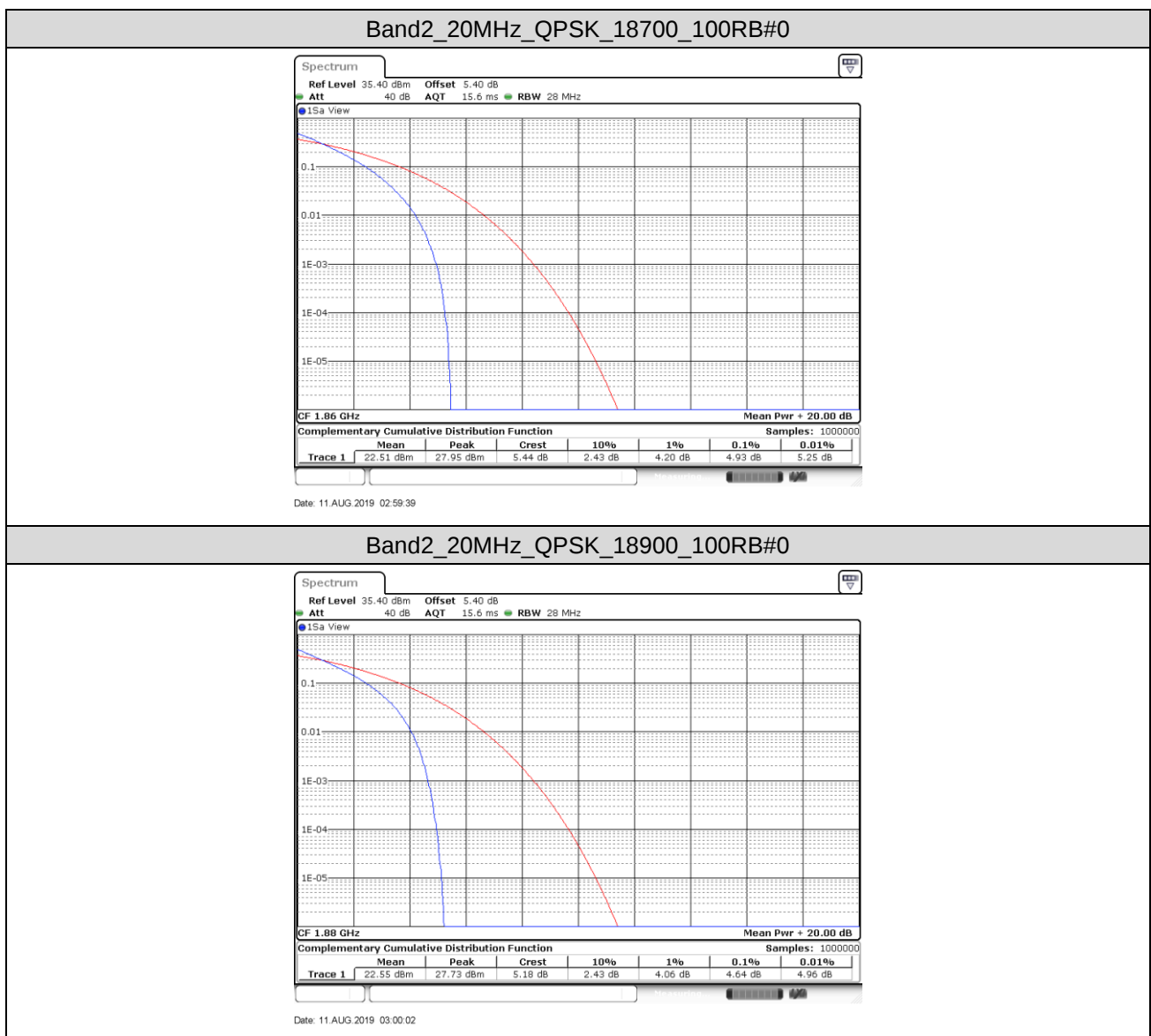
EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

4. Peak-to-Average Ratio (CCDF)

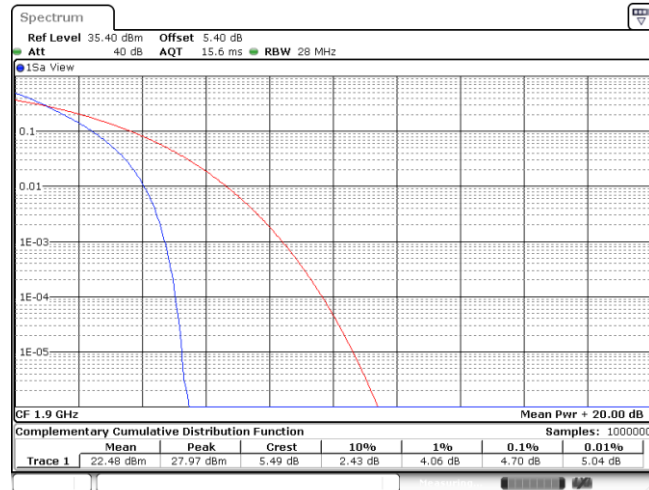
4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	4.93	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.64	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.70	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.86	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.57	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.62	13	PASS

4.2. Test Plots

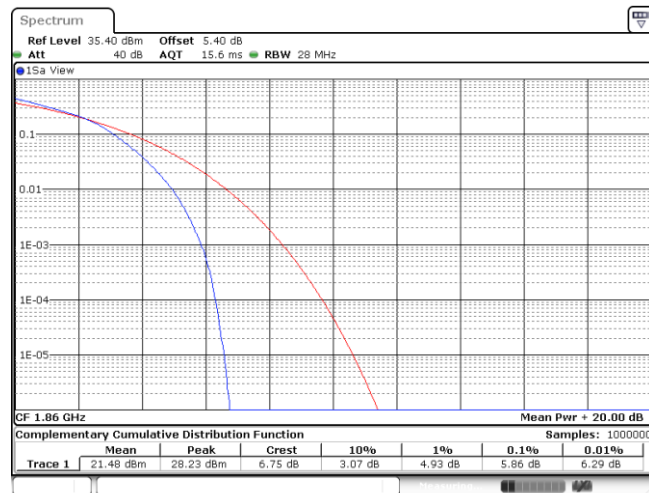


Band2_20MHz_QPSK_19100_100RB#0



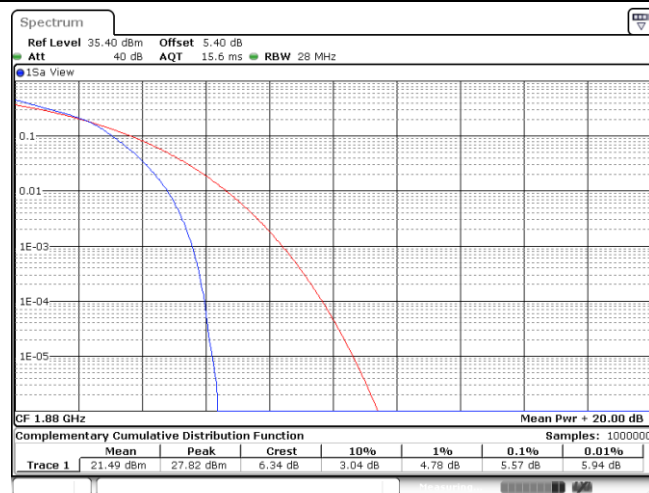
Date: 11 AUG.2019 03:00:25

Band2_20MHz_16QAM_18700_100RB#0



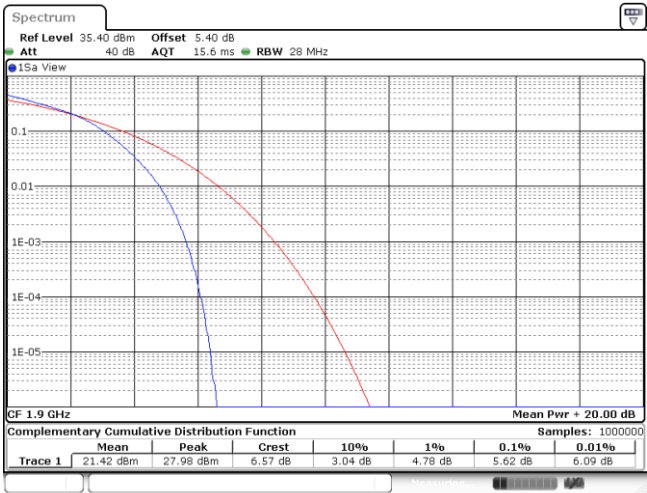
Date: 11 AUG.2019 02:59:51

Band2_20MHz_16QAM_18900_100RB#0



Date: 11 AUG.2019 03:00:14

Band2_20MHz_16QAM_19100_100RB#0



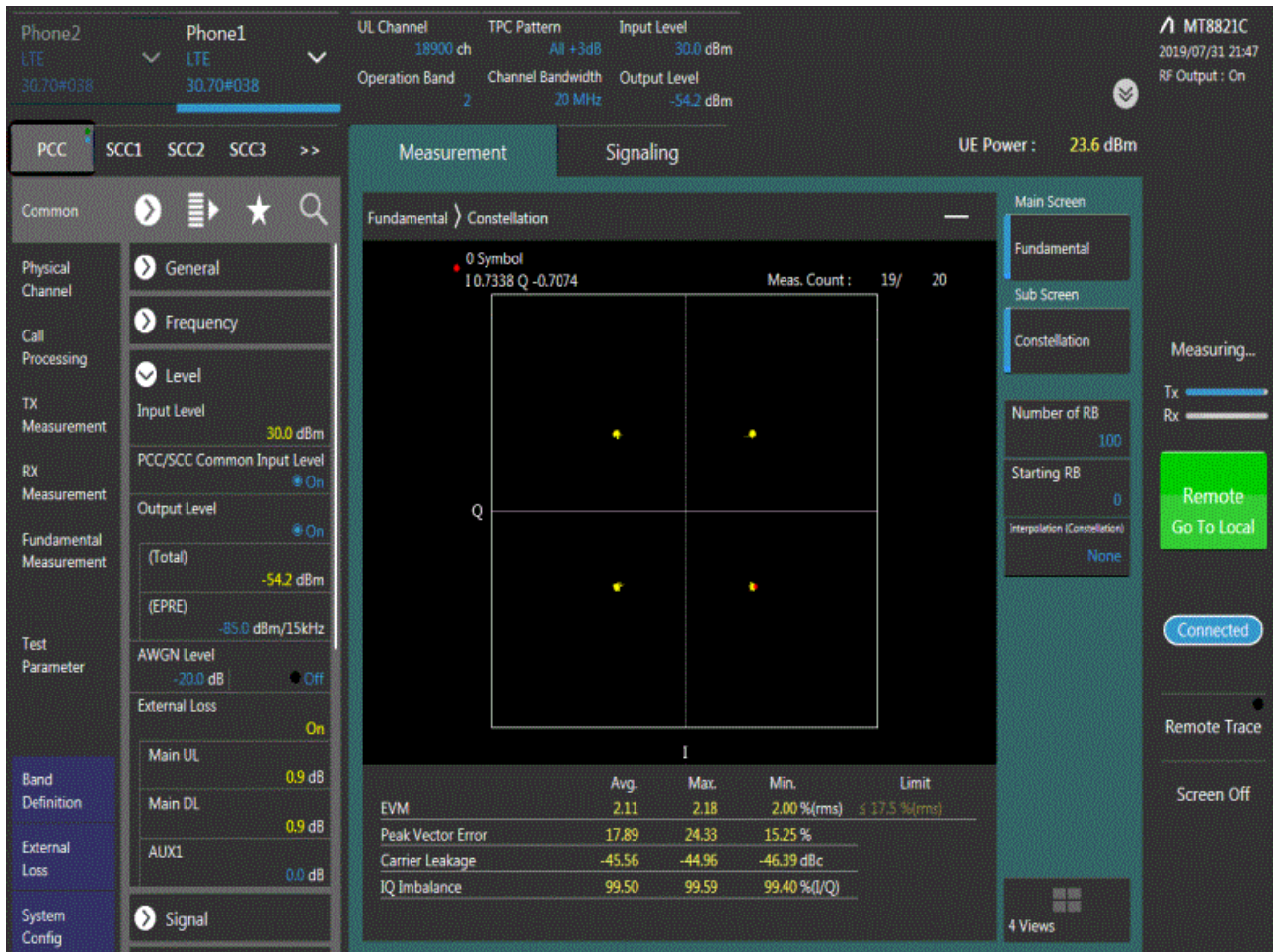
Date: 11.AUG.2019 03:00:37

5. Modulation Characteristics

5.1. Test Band = LTE Band 2

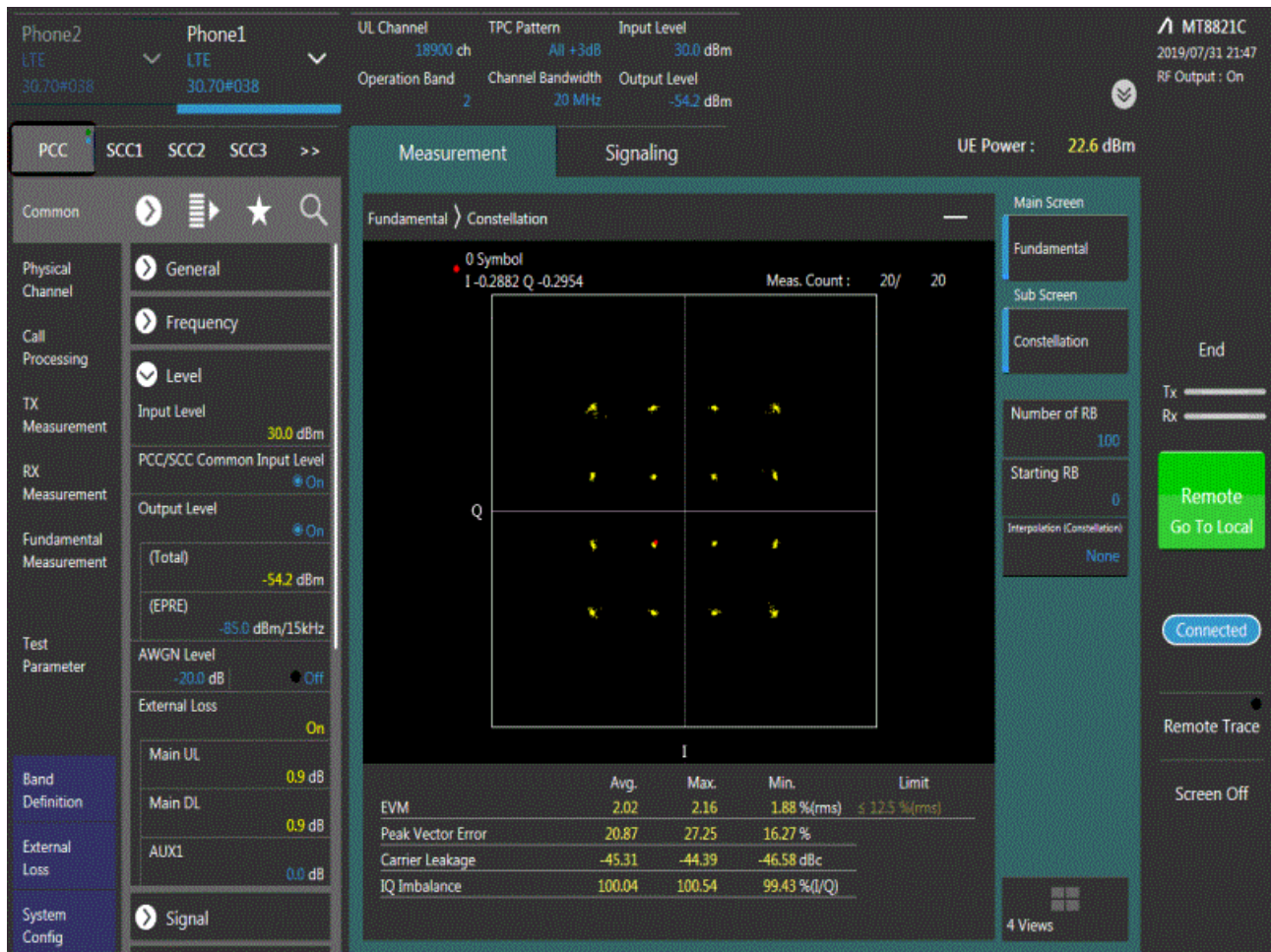
5.2. Test Mode = LTE /TM1 20MHz

5.2.1. Test Channel = MCH



5.3. Test Mode = LTE /TM2 20MHz

5.3.1. Test Channel = MCH



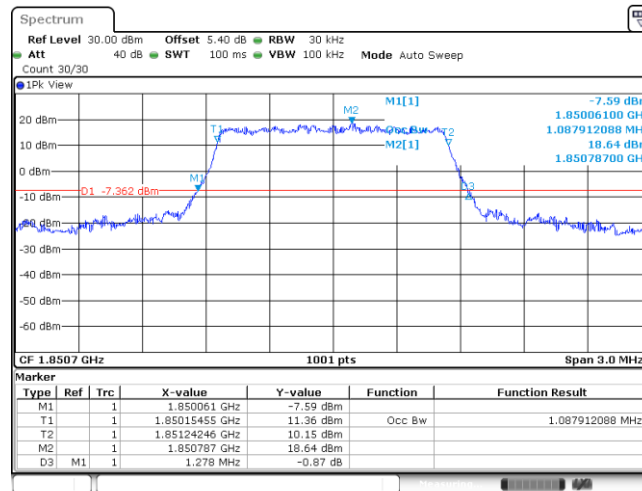
6. 26dB Bandwidth and Occupied Bandwidth

6.1. Test Result

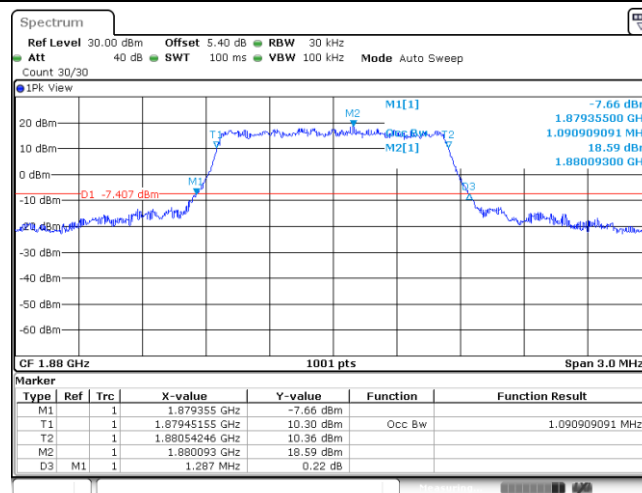
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.088	1.278	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.091	1.287	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.311	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.293	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.094	1.299	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.928	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.928	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.685	2.934	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.679	2.904	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.673	2.898	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.673	2.892	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.486	5.090	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.476	5.090	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.486	5.080	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.496	5.070	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.496	5.100	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.496	5.090	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.931	9.900	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.951	9.920	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.951	9.880	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.931	9.940	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.951	9.920	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.860	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.487	15.090	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.487	15.090	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.487	15.090	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.487	15.030	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.487	15.180	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.487	15.090	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.902	19.680	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.902	19.760	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.902	19.720	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.902	19.760	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.942	19.720	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.902	19.680	PASS

6.2. Test Plots

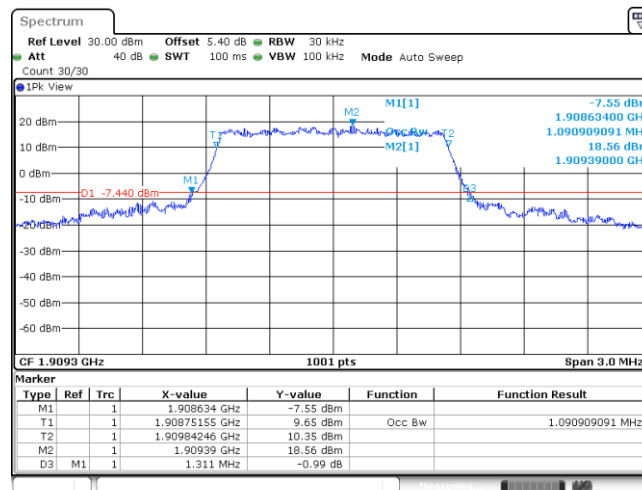
Band2_1.4MHz_QPSK_18607_6RB#0



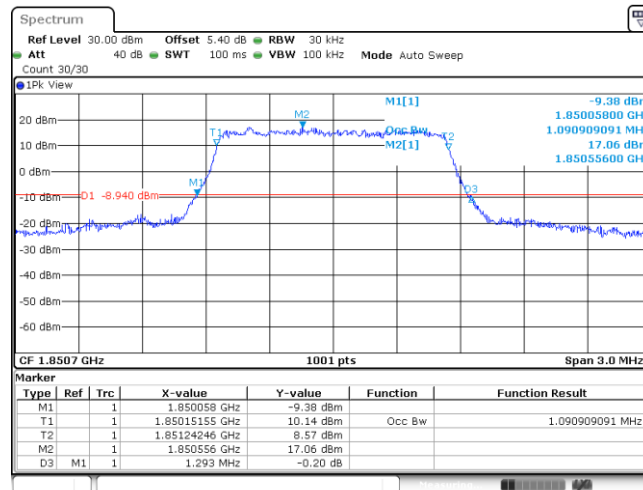
Band2_1.4MHz_QPSK_18900_6RB#0



Band2_1.4MHz_QPSK_19193_6RB#0

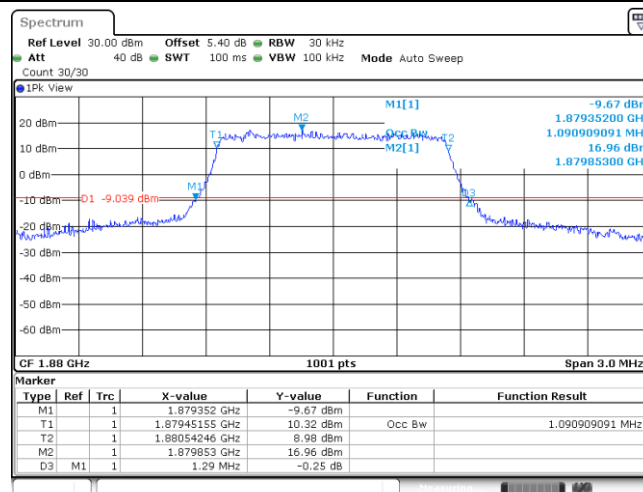


Band2_1.4MHz_16QAM_18607_6RB#0



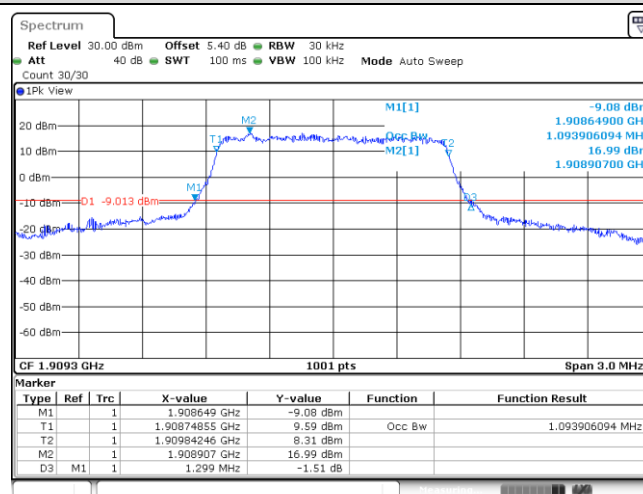
Date: 11 AUG 2019 02:30:18

Band2_1.4MHz_16QAM_18900_6RB#0



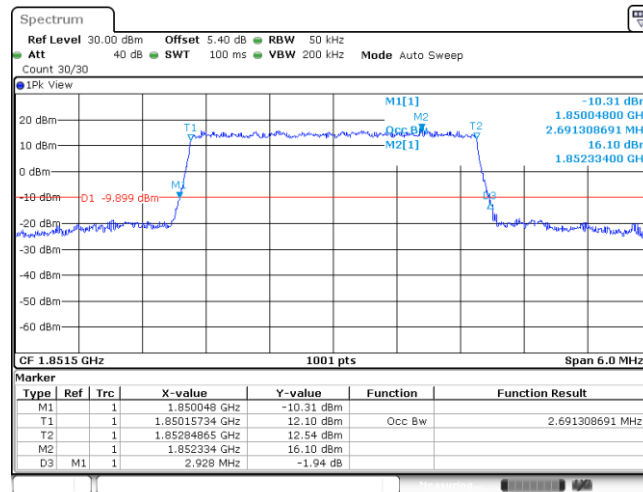
Date: 11 AUG 2019 02:30:43

Band2_1.4MHz_16QAM_19193_6RB#0



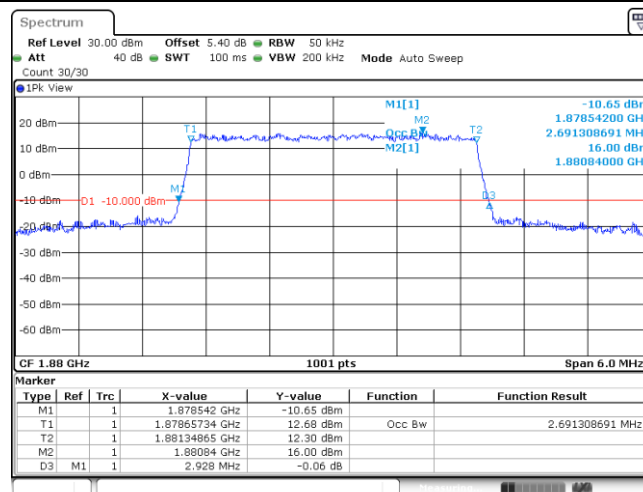
Date: 11 AUG 2019 02:31:09

Band2_3MHz_QPSK_18615_15RB#0



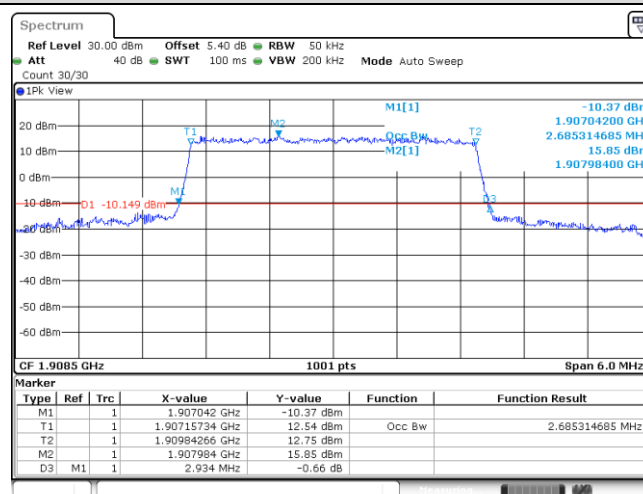
Date: 11 AUG 2019 02:31:27

Band2_3MHz_QPSK_18900_15RB#0



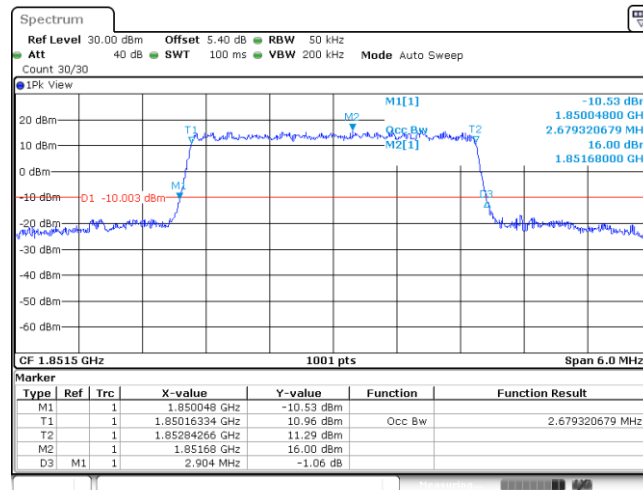
Date: 11 AUG 2019 02:31:52

Band2_3MHz_QPSK_19185_15RB#0



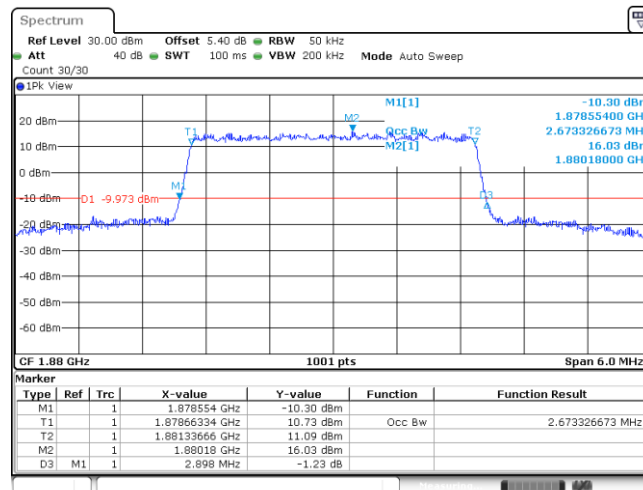
Date: 11 AUG 2019 02:32:18

Band2_3MHz_16QAM_18615_15RB#0



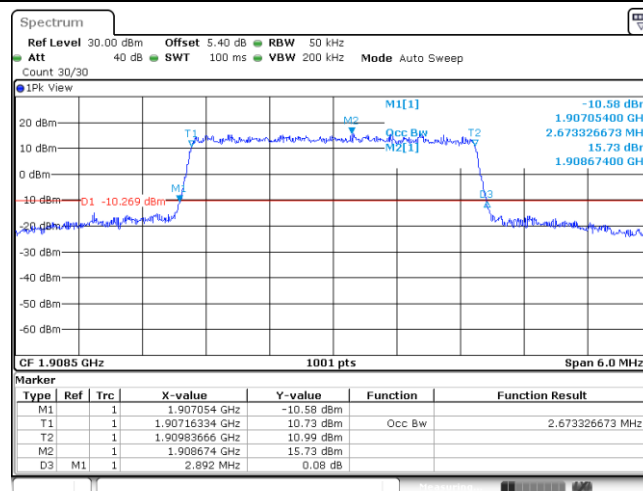
Date: 11 AUG 2019 02:31:39

Band2_3MHz_16QAM_18900_15RB#0



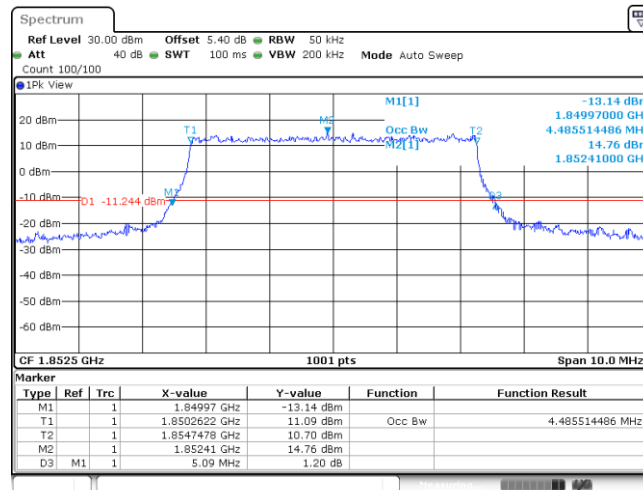
Date: 11 AUG 2019 02:32:05

Band2_3MHz_16QAM_19185_15RB#0



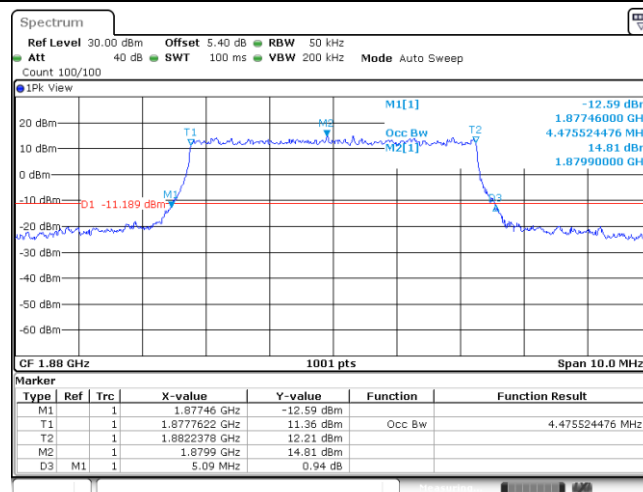
Date: 11 AUG 2019 02:32:31

Band2_5MHz_QPSK_18625_25RB#0



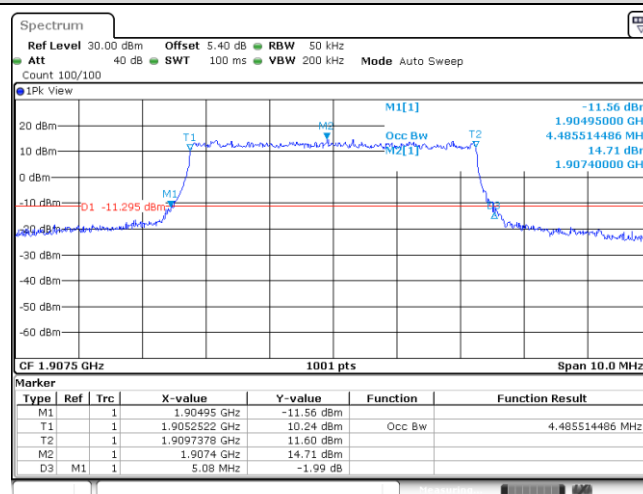
Date: 11 AUG 2019 02:32:55

Band2_5MHz_QPSK_18900_25RB#0



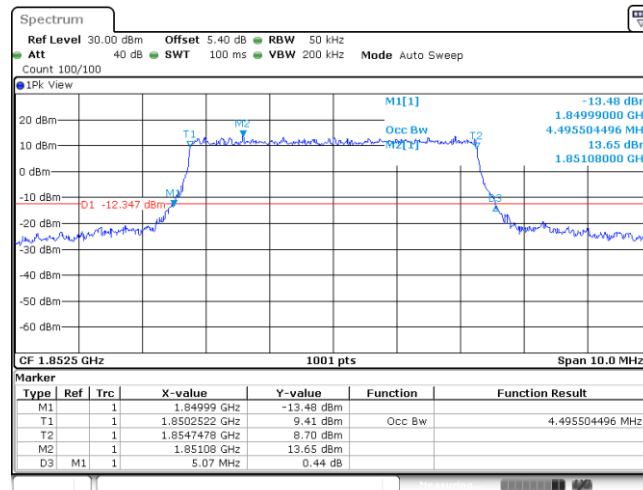
Date: 11 AUG 2019 02:33:35

Band2_5MHz_QPSK_19175_25RB#0



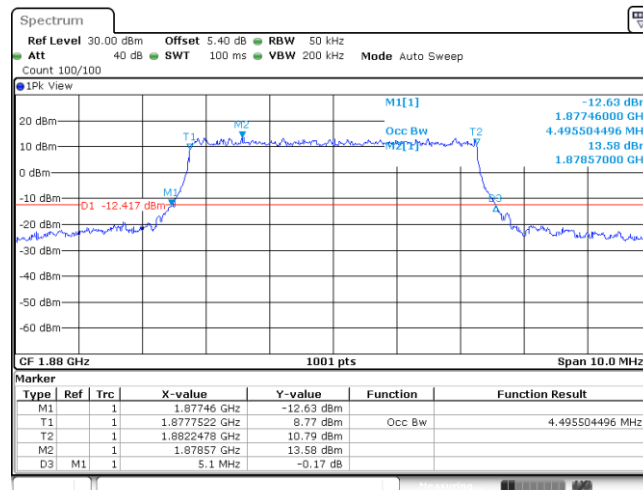
Date: 11 AUG 2019 02:34:14

Band2_5MHz_16QAM_18625_25RB#0



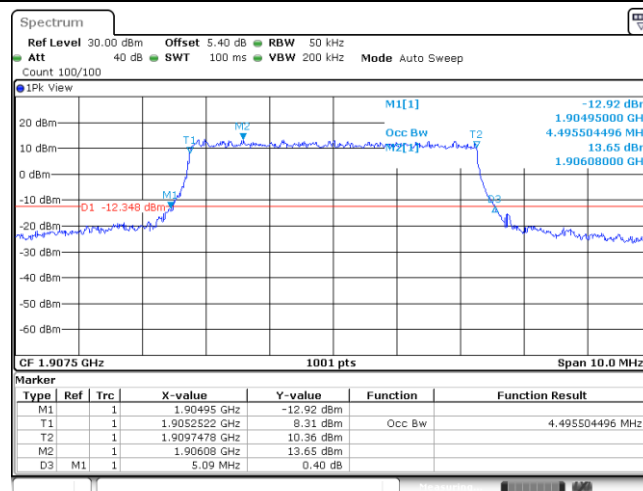
Date: 11 AUG 2019 02:33:15

Band2_5MHz_16QAM_18900_25RB#0



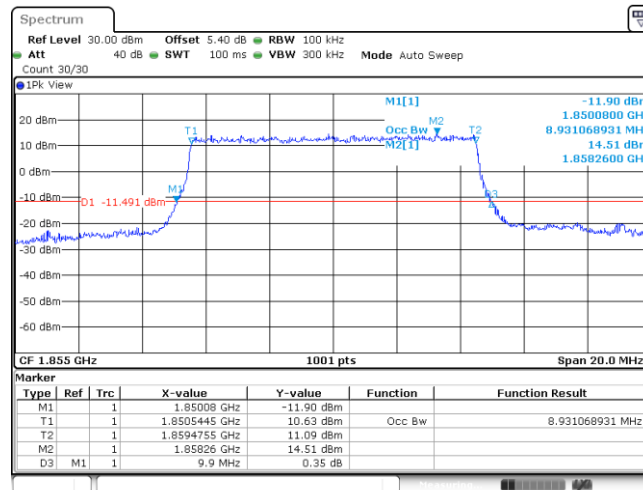
Date: 11 AUG 2019 02:33:54

Band2_5MHz_16QAM_19175_25RB#0



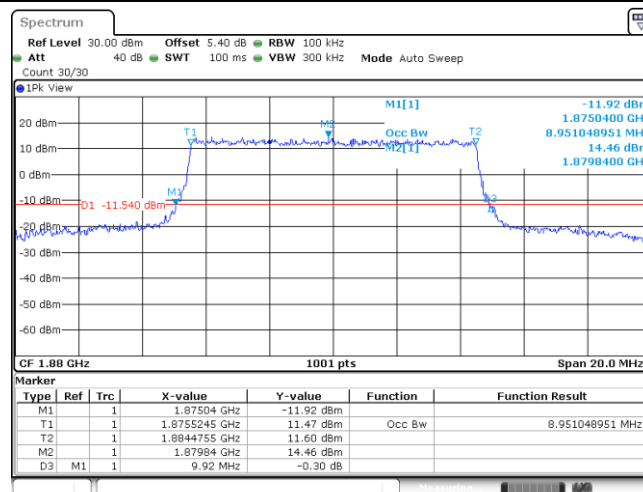
Date: 11 AUG 2019 02:34:34

Band2_10MHz_QPSK_18650_50RB#0



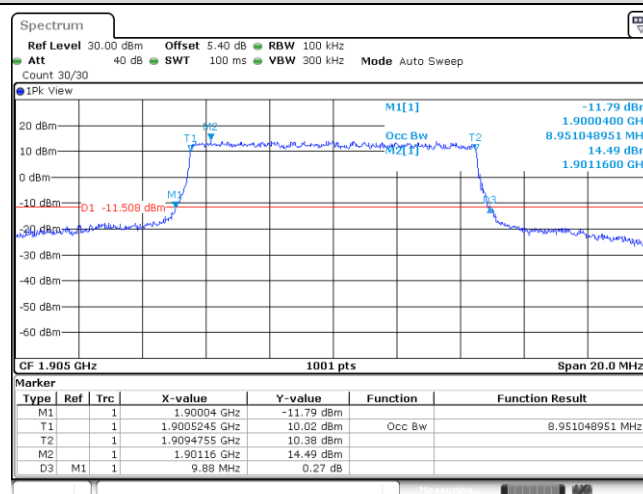
Date: 11 AUG 2019 02:34:51

Band2_10MHz_QPSK_18900_50RB#0



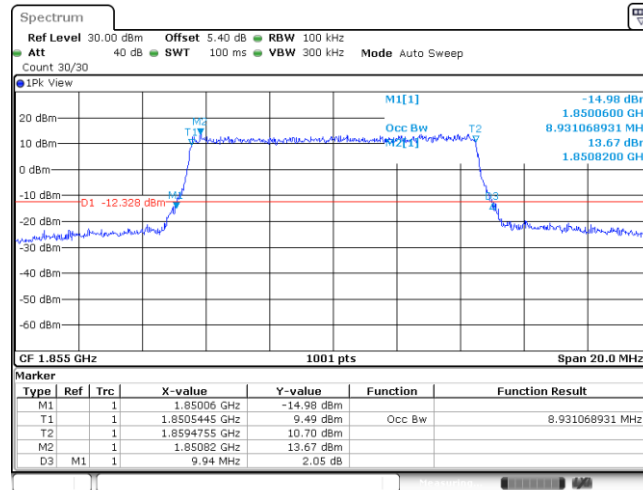
Date: 11 AUG 2019 02:35:17

Band2_10MHz_QPSK_19150_50RB#0



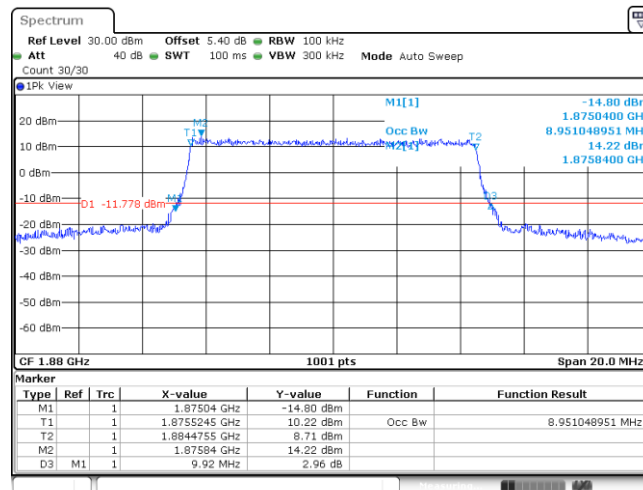
Date: 11 AUG 2019 02:35:43

Band2_10MHz_16QAM_18650_50RB#0



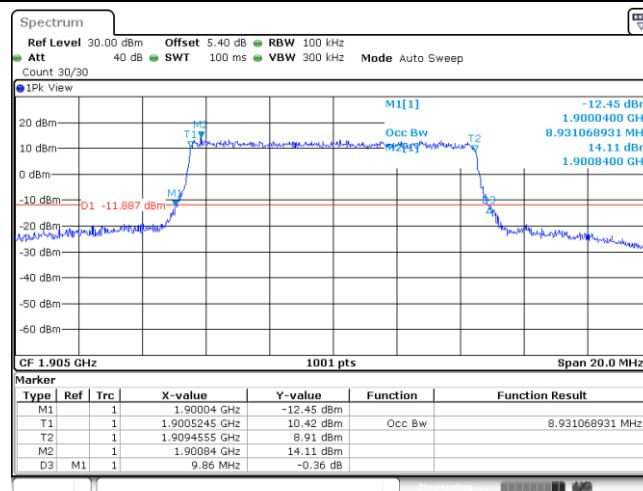
Date: 11 AUG 2019 02:35:04

Band2_10MHz_16QAM_18900_50RB#0



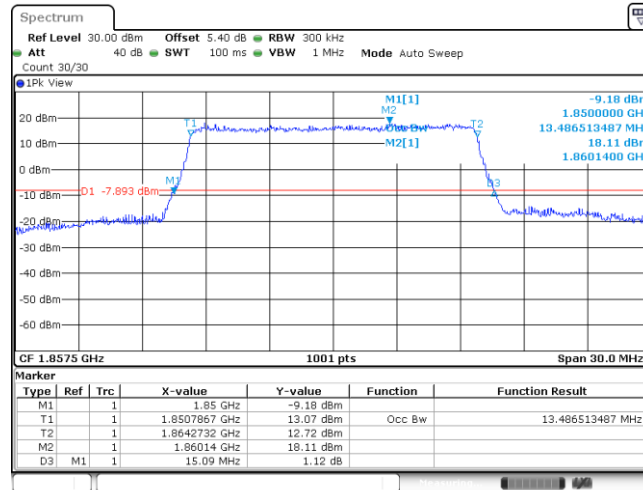
Date: 11 AUG 2019 02:35:30

Band2_10MHz_16QAM_19150_50RB#0



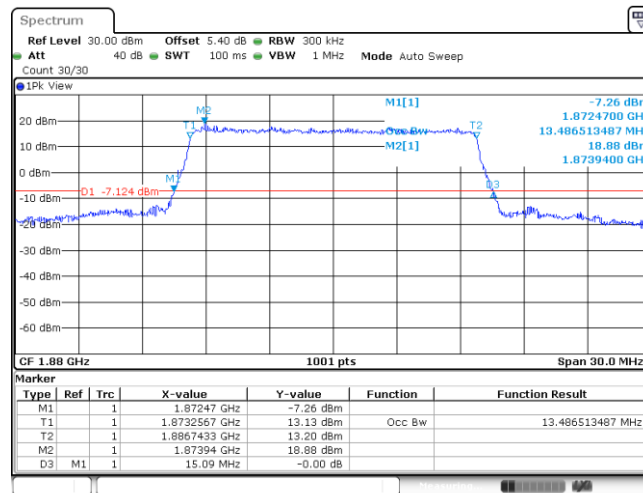
Date: 11 AUG 2019 02:35:56

Band2_15MHz_QPSK_18675_75RB#0



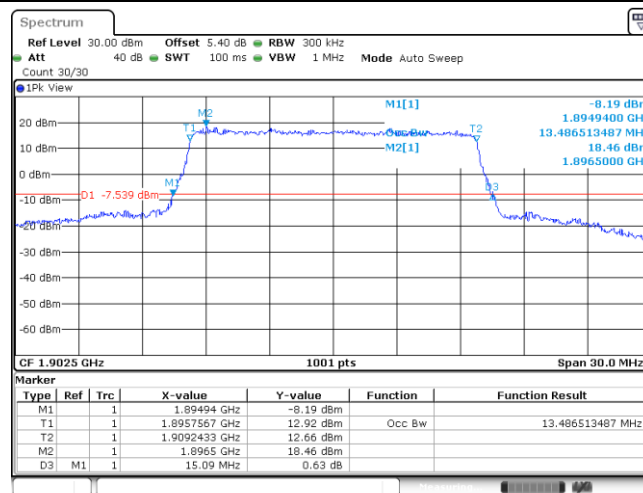
Date: 11 AUG 2019 02:36:13

Band2_15MHz_QPSK_18900_75RB#0



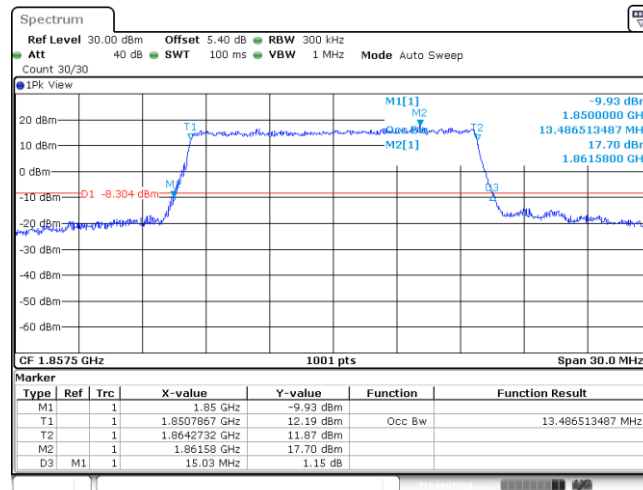
Date: 11 AUG 2019 02:36:39

Band2_15MHz_QPSK_19125_75RB#0



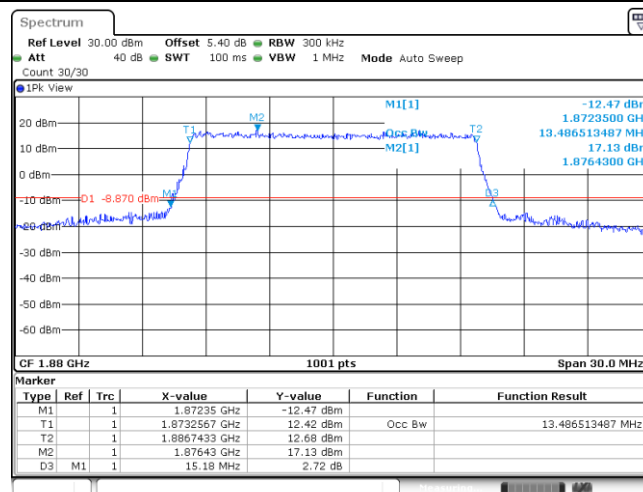
Date: 11 AUG 2019 02:37:04

Band2_15MHz_16QAM_18675_75RB#0



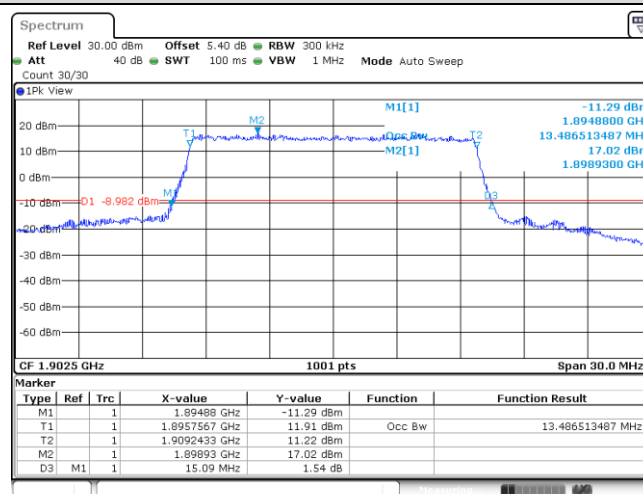
Date: 11 AUG 2019 02:36:26

Band2_15MHz_16QAM_18900_75RB#0



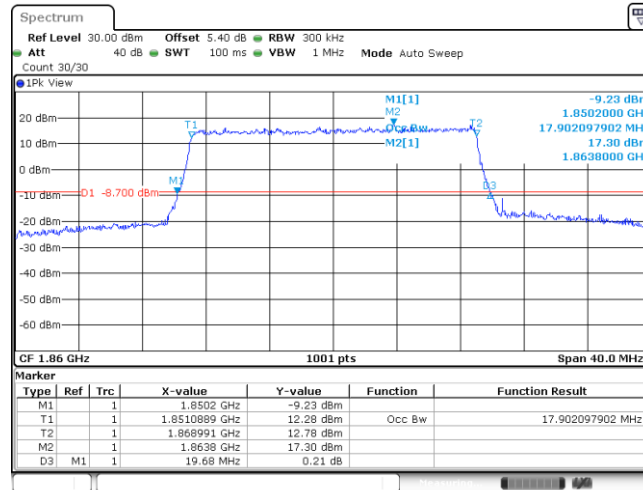
Date: 11 AUG 2019 02:36:51

Band2_15MHz_16QAM_19125_75RB#0



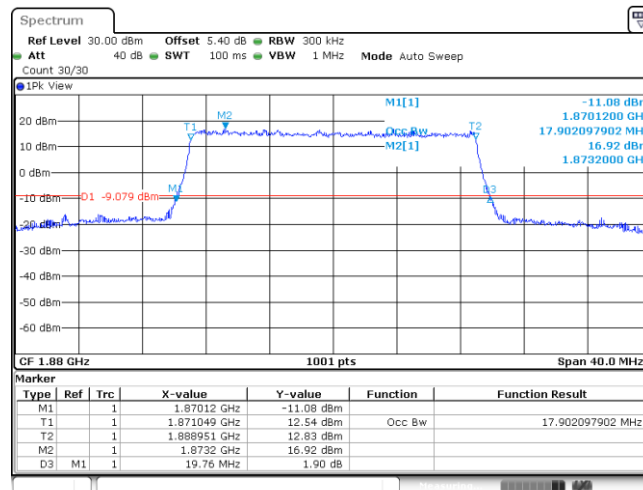
Date: 11 AUG 2019 02:37:17

Band2_20MHz_QPSK_18700_100RB#0



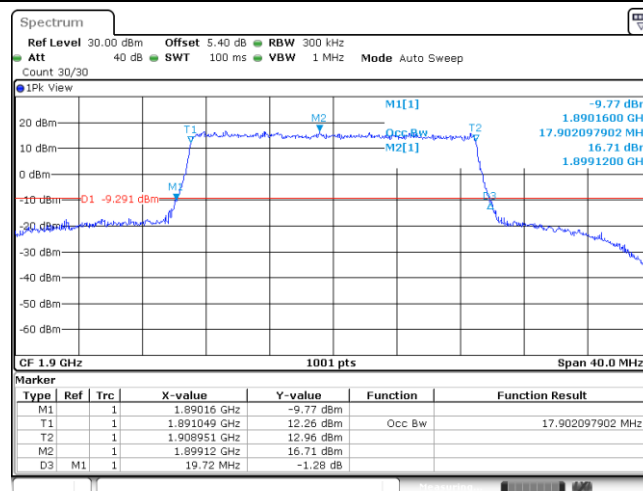
Date: 11 AUG 2019 02:37:34

Band2_20MHz_QPSK_18900_100RB#0



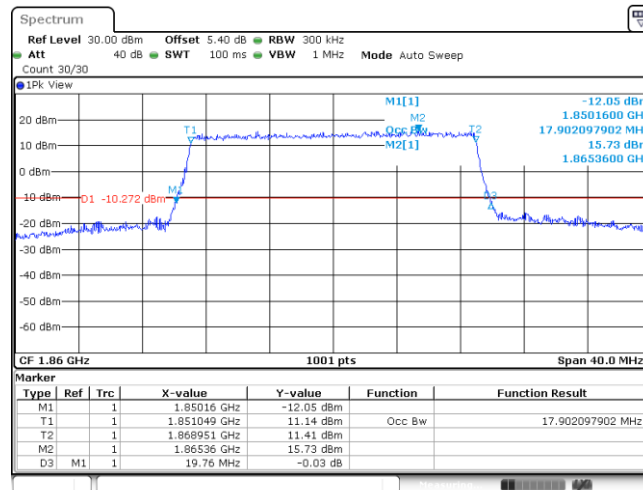
Date: 11 AUG 2019 02:38:00

Band2_20MHz_QPSK_19100_100RB#0



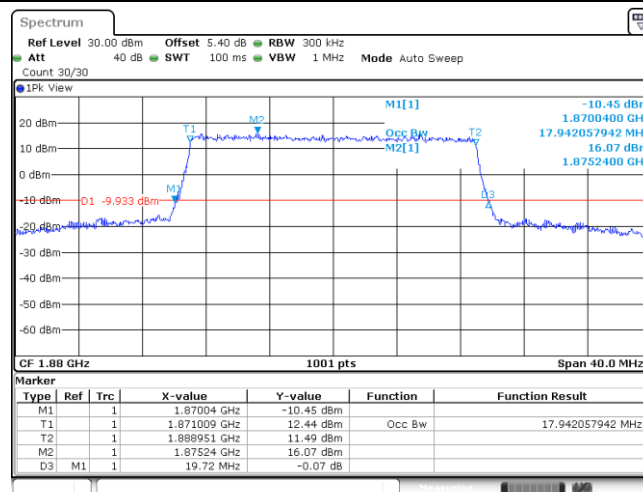
Date: 11 AUG 2019 02:38:26

Band2_20MHz_16QAM_18700_100RB#0



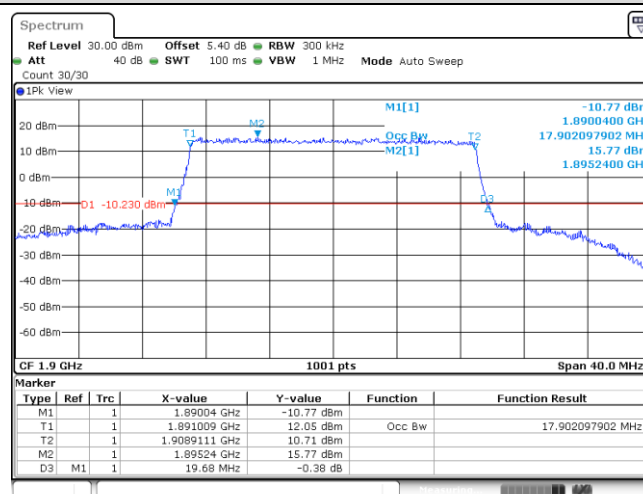
Date: 11 AUG 2019 02:37:47

Band2_20MHz_16QAM_18900_100RB#0



Date: 11 AUG 2019 02:38:13

Band2_20MHz_16QAM_19100_100RB#0



Date: 11 AUG 2019 02:38:39