

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	2018/4/2	2019/4/1
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	2018/4/2	2019/4/1
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	2018/7/12	2019/7/11
Wideband Radio Communication Tester	Anritsu	MT8821C	6201462742	2018/5/2	2019/5/1
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	W005-02	2018/3/13	2019/3/12

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	2018/9/15	2019/9/15
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2018/3/13	2019/3/12
Coaxial Cable	SGS	N/A	SEM031-01	2018/7/12	2019/7/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2018/9/2	2019/9/2
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	HTC-1	W006-17	2018/9/10	2019/9/10
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2018/11/27	2019/11/27
Wideband Radio Communication Tester	Anritsu	MT8821C	6201462742	2018/5/2	2019/5/1
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	W005-02	2018/3/13	2019/3/12

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	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.73	23.03	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.83	23.13	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.90	23.20	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.83	23.13	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.88	23.18	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.00	23.30	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.92	22.22	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.78	23.08	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.91	23.21	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.81	23.11	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.97	23.27	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.77	23.07	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.84	23.14	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.82	22.12	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.93	23.23	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.98	23.28	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.06	23.36	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.27	23.57	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.14	23.44	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.13	23.43	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.02	22.32	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	20.92	21.22	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.71	22.01	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.97	22.27	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.79	22.09	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.72	22.02	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.51	21.81	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.92	21.22	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.62	21.92	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.68	21.98	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.18	21.48	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.46	21.76	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.47	21.77	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.77	22.07	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.98	21.28	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.26	22.56	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.14	22.44	33.00	PASS

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Band2	1.4MHz	16QAM	19193	1RB#5	22.08	22.38	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.11	22.41	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.22	22.52	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.09	22.39	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.35	21.65	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.03	23.33	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.72	23.02	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.95	23.25	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.98	22.28	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.99	22.29	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.94	22.24	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.91	22.21	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.71	23.01	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.85	23.15	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.96	23.26	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.89	22.19	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.90	22.20	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.00	22.30	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.95	22.25	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.01	23.31	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.29	23.59	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.04	23.34	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.17	22.47	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.14	22.44	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.06	22.36	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.09	22.39	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.60	21.90	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.40	21.70	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.46	21.76	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.69	20.99	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.76	21.06	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.72	21.02	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.93	21.23	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.93	22.23	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.01	22.31	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.64	21.94	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.97	21.27	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.97	21.27	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.98	21.28	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.85	21.15	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.44	21.74	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.16	22.46	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.97	22.27	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.10	21.40	33.00	PASS

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Band2	3MHz	16QAM	19185	8RB#4	21.16	21.46	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.30	21.60	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.19	21.49	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.74	23.04	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.79	23.09	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.77	23.07	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.79	22.09	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.81	22.11	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.89	22.19	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.81	22.11	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.49	22.79	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.64	22.94	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.73	23.03	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.77	22.07	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.77	22.07	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.81	22.11	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.82	22.12	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.73	23.03	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.92	23.22	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.81	23.11	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.98	22.28	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.93	22.23	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.96	22.26	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.84	22.14	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.40	21.70	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.09	21.39	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.64	21.94	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.76	21.06	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.84	21.14	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.72	21.02	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.73	21.03	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.71	22.01	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.79	22.09	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.99	22.29	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.75	21.05	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.75	21.05	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.75	21.05	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.87	21.17	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.17	22.47	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.42	21.72	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.20	21.50	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.78	21.08	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.89	21.19	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.82	21.12	33.00	PASS

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Band2	5MHz	16QAM	19175	25RB#0	21.00	21.30	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.70	23.00	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.01	23.31	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.07	23.37	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.04	22.34	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.05	22.35	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.06	22.36	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.01	22.31	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.77	23.07	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.00	23.30	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.96	23.26	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.09	22.39	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.88	22.18	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.87	22.17	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.02	22.32	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.85	23.15	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.95	23.25	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.16	23.46	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.87	22.17	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.96	22.26	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.95	22.25	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.99	22.29	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.79	22.09	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.52	21.82	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.69	21.99	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.07	21.37	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.96	21.26	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.09	21.39	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.95	21.25	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.72	22.02	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.90	22.20	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.76	22.06	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.01	21.31	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.17	21.47	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.88	21.18	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.07	21.37	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.48	21.78	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.43	21.73	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.81	22.11	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.07	21.37	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.07	21.37	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.02	21.32	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.88	21.18	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.59	22.89	33.00	PASS

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Band2	15MHz	QPSK	18675	1RB#38	22.95	23.25	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.69	22.99	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.06	22.36	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.13	22.43	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.00	22.30	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.05	22.35	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.89	23.19	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.87	23.17	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.74	23.04	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.00	22.30	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	21.88	22.18	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	21.95	22.25	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.02	22.32	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.00	23.30	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.89	23.19	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.78	23.08	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.03	22.33	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	21.93	22.23	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	21.85	22.15	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.98	22.28	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.53	21.83	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.12	22.42	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.94	22.24	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.13	21.43	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.13	21.43	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.09	21.39	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.09	21.39	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.76	22.06	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.79	22.09	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.31	21.61	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	20.98	21.28	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	20.97	21.27	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	20.89	21.19	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.96	21.26	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.91	22.21	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.16	22.46	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.49	21.79	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	20.97	21.27	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.03	21.33	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	20.94	21.24	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.03	21.33	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.82	23.12	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.10	23.40	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.97	23.27	33.00	PASS

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Band2	20MHz	QPSK	18700	50RB#0	22.07	22.37	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.16	22.46	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.06	22.36	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.14	22.44	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.74	23.04	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.04	23.34	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.74	23.04	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.11	22.41	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.09	22.39	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.93	22.23	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.00	22.30	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.81	23.11	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.16	23.46	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.88	23.18	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.10	22.40	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.05	22.35	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.90	22.20	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.09	22.39	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.23	21.53	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.85	22.15	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.53	21.83	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.07	21.37	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.28	21.58	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.06	21.36	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.11	21.41	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.98	22.28	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.31	22.61	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.40	21.70	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.07	21.37	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.16	21.46	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.12	21.42	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.10	21.40	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.49	21.79	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.85	22.15	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.72	22.02	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.15	21.45	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.20	21.50	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.02	21.32	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.08	21.38	33.00	PASS

Remark:

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

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b: SGP=Signal Generator Level

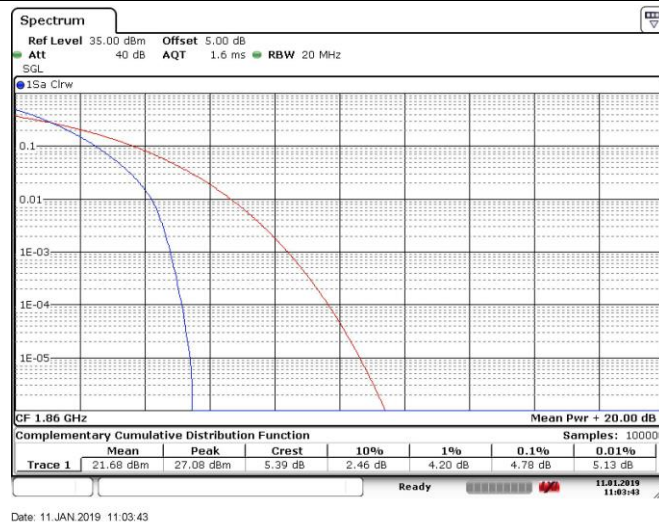
4. Peak-to-Average Ratio(CCDF)

4.1. Test Result

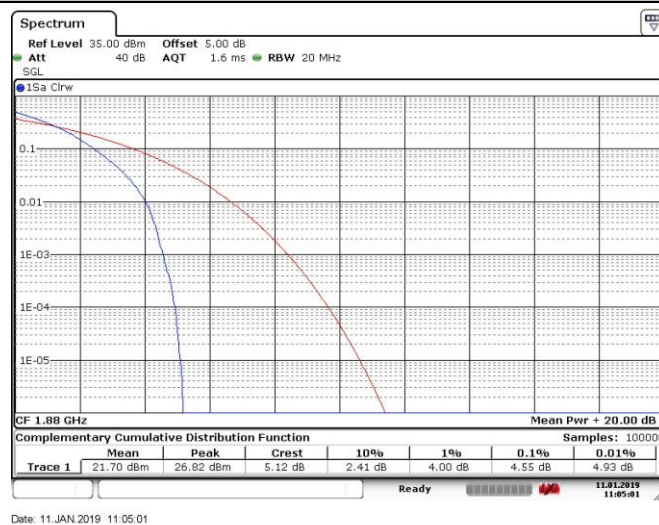
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	4.78	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.55	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.67	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.80	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.77	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.74	13	PASS

4.2. Test Plots

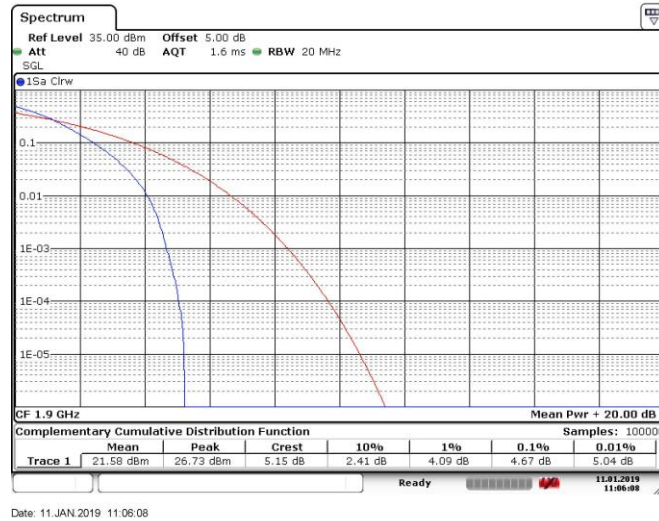
Band2_20MHz_QPSK_18700_100RB#0



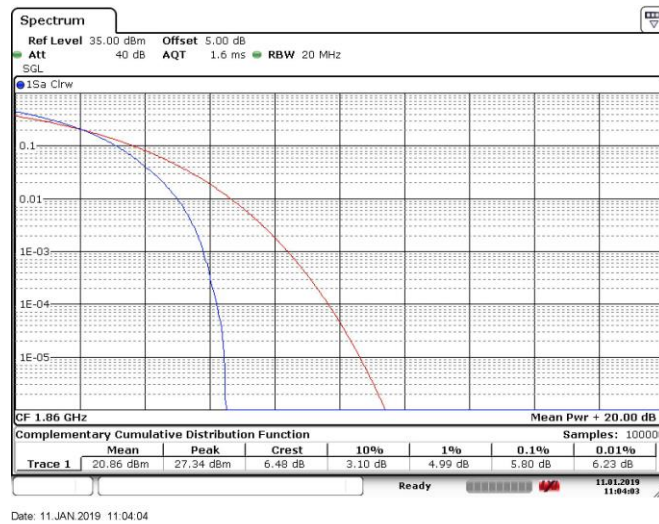
Band2_20MHz_QPSK_18900_100RB#0



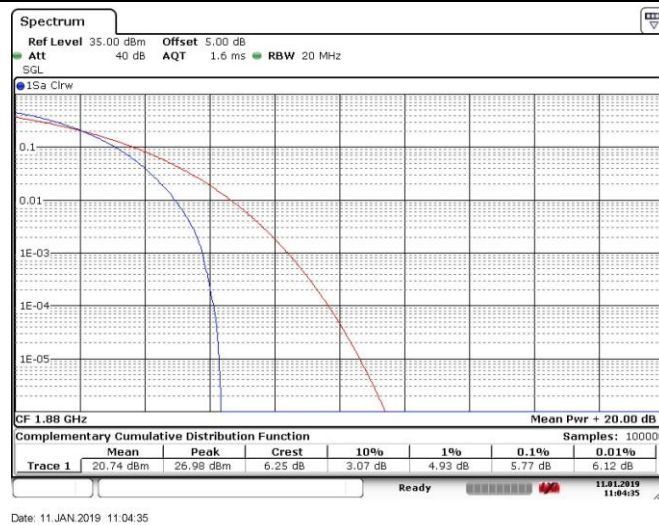
Band2_20MHz_QPSK_19100_100RB#0

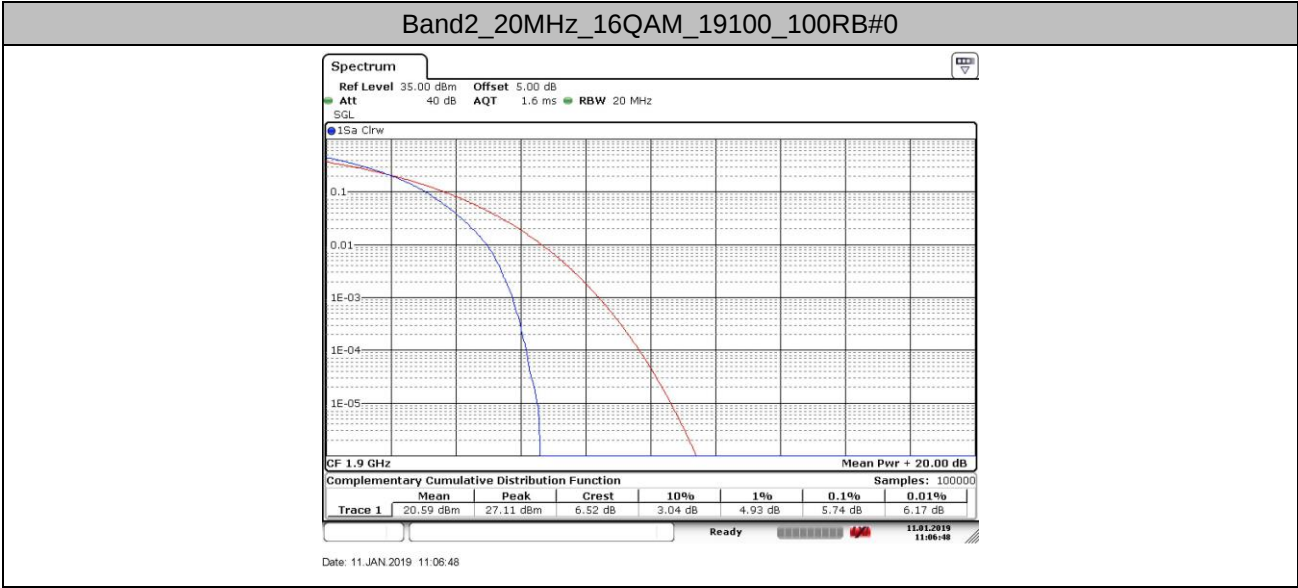


Band2_20MHz_16QAM_18700_100RB#0



Band2_20MHz_16QAM_18900_100RB#0



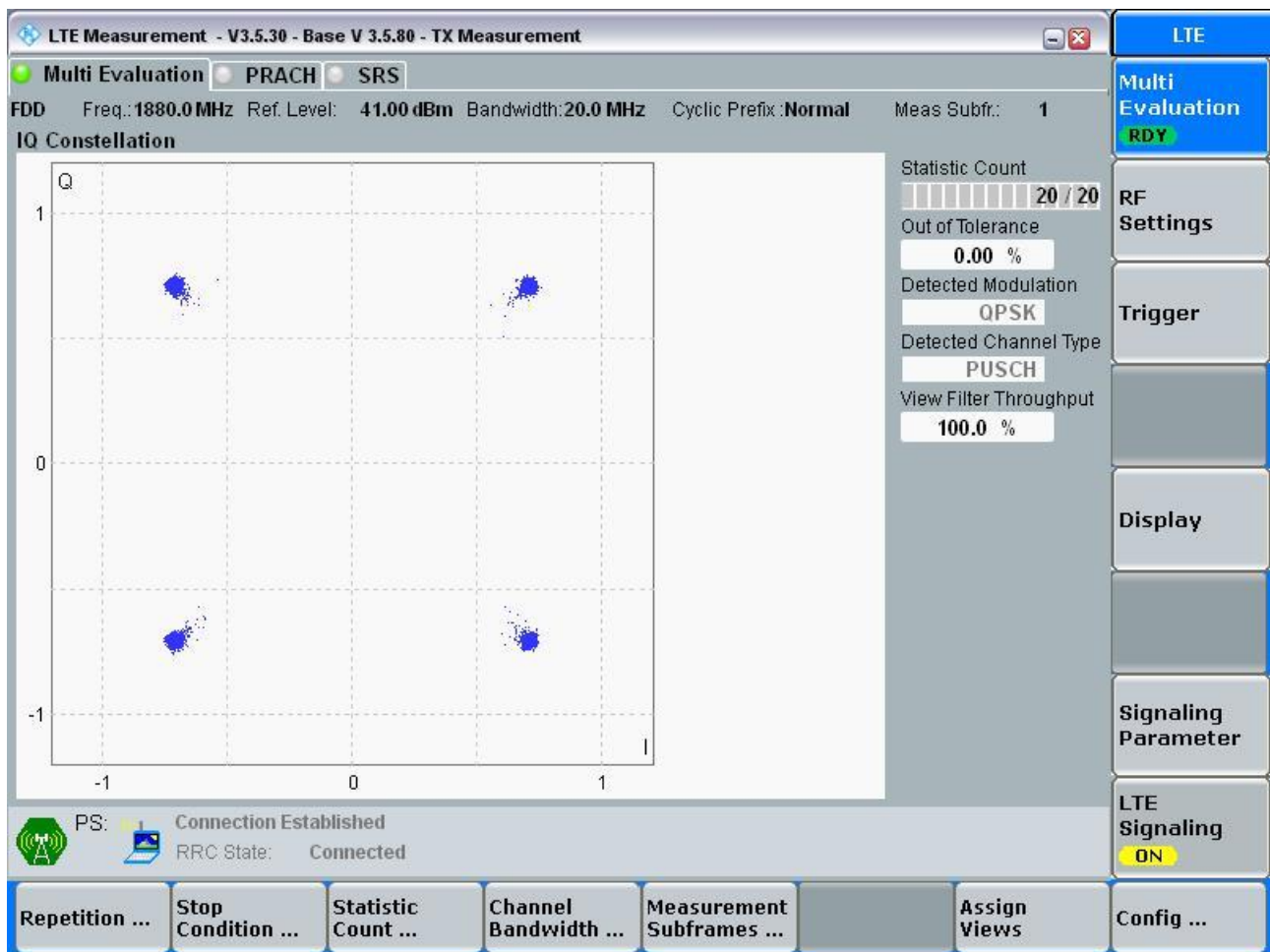


5. Modulation Characteristics

5.1. Test BAND = LTE Band 2

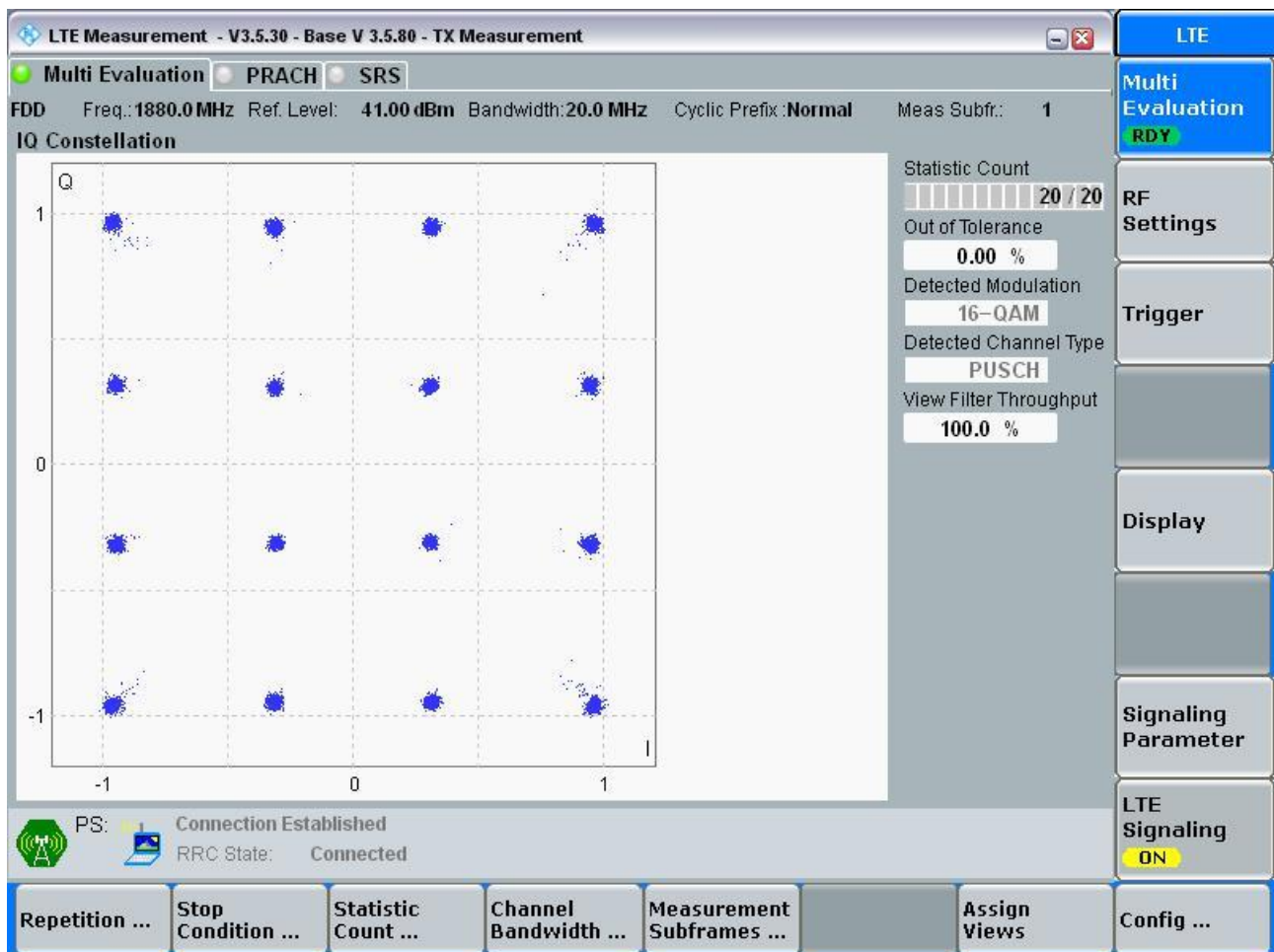
5.1.1. Test Mode = LTE /TM1 20MHz

5.1.1.1. Test Channel = MCH



5.1.2. Test Mode = LTE /TM2 20MHz

5.1.2.1. Test Channel = MCH



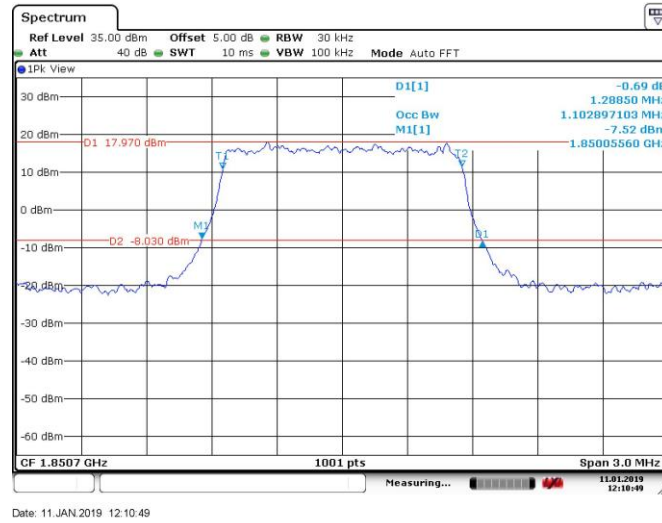
6. 26dB Bandwidth and Occupied Bandwidth

6.1. Test Result

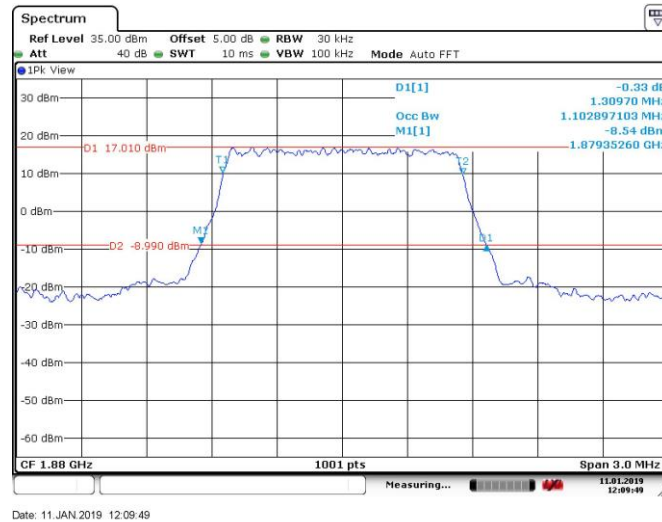
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.102	1.289	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.103	1.310	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.100	1.328	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.097	1.298	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.097	1.304	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.103	1.313	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.931	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.685	2.925	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.685	2.925	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.685	2.913	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.685	2.943	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.679	2.931	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.486	4.915	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.466	4.895	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.486	4.915	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.968	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.925	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.466	4.835	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.931	9.710	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.911	9.610	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.931	9.730	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.931	9.630	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.931	9.690	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.590	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.457	14.805	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.427	14.715	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.397	14.745	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.457	14.685	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.427	14.708	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.427	14.685	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.862	19.221	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.822	19.101	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.903	19.540	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.862	19.381	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.902	19.261	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.902	19.301	PASS

6.2. Test Plots

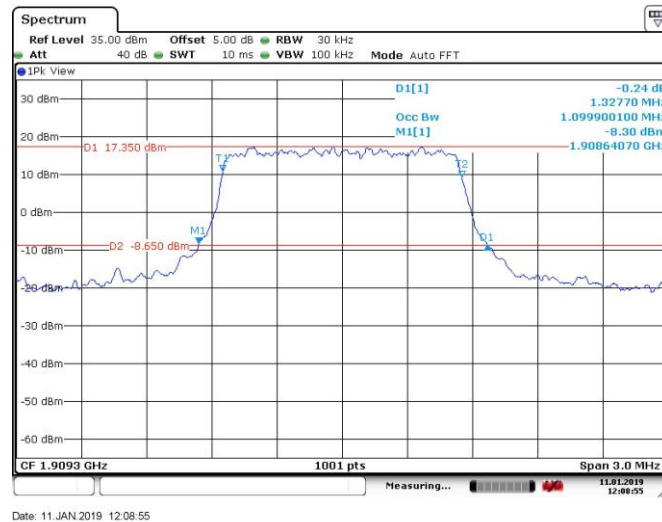
Band2_1.4MHz_QPSK_18607_6RB#0



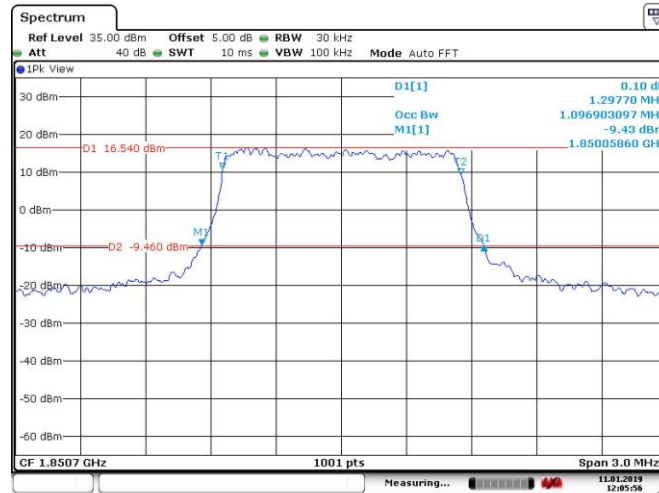
Band2_1.4MHz_QPSK_18900_6RB#0



Band2_1.4MHz_QPSK_19193_6RB#0

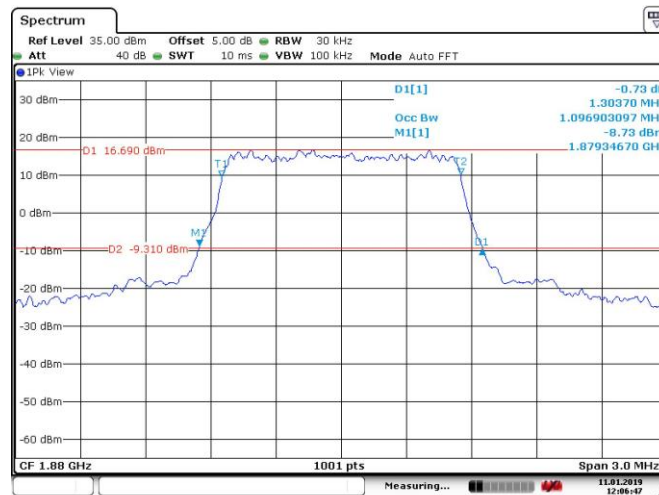


Band2_1.4MHz_16QAM_18607_6RB#0



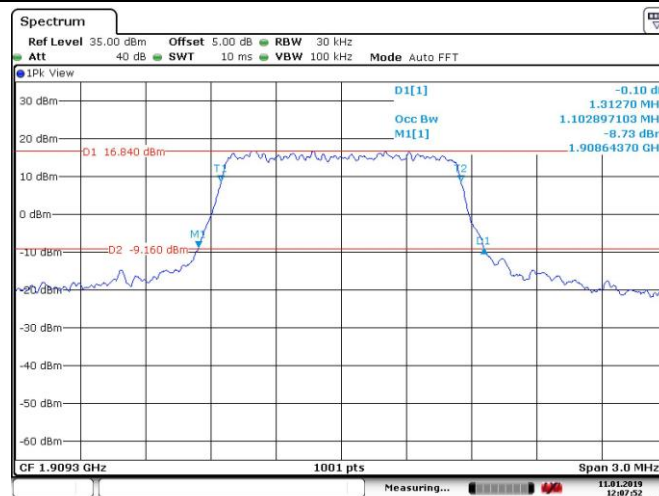
Date: 11.JAN.2019 12:05:56

Band2_1.4MHz_16QAM_18900_6RB#0



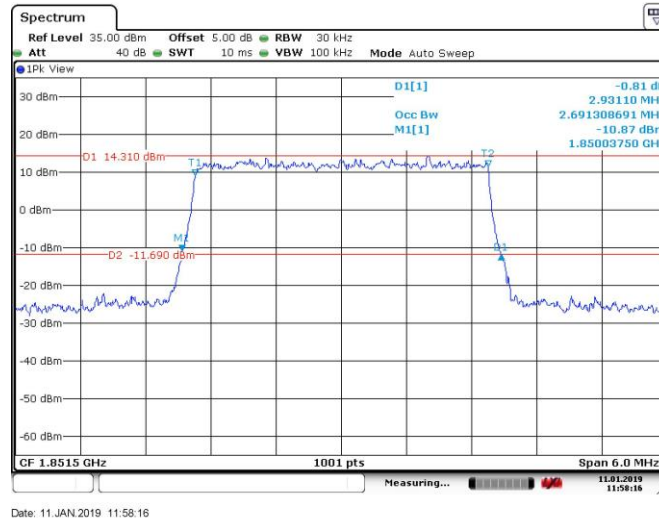
Date: 11.JAN.2019 12:06:48

Band2_1.4MHz_16QAM_19193_6RB#0

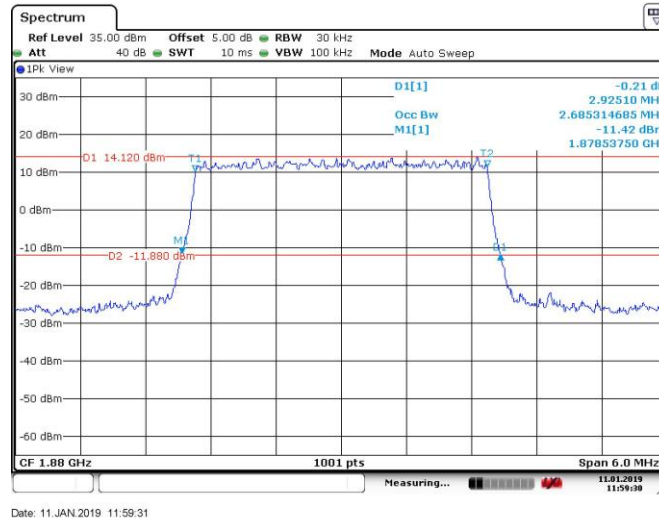


Date: 11.JAN.2019 12:07:52

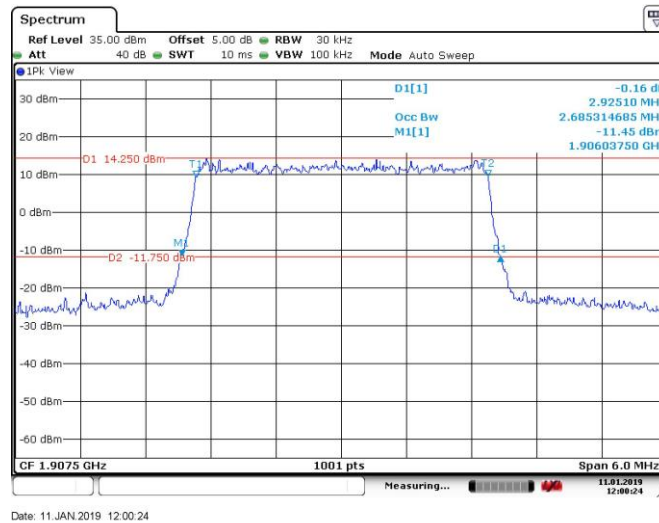
Band2_3MHz_QPSK_18615_15RB#0



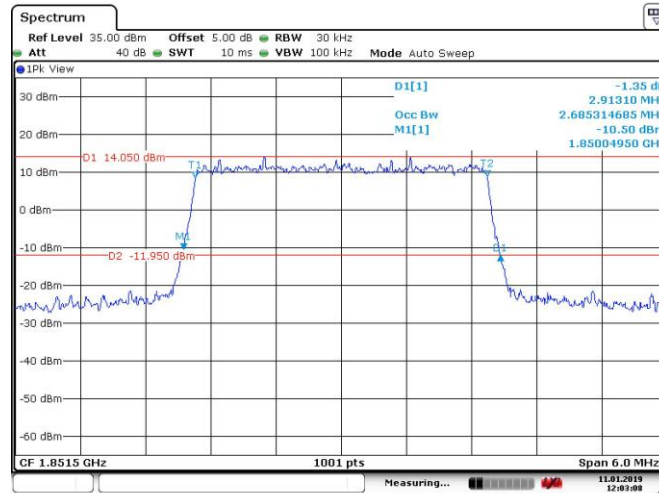
Band2_3MHz_QPSK_18900_15RB#0



Band2_3MHz_QPSK_19185_15RB#0

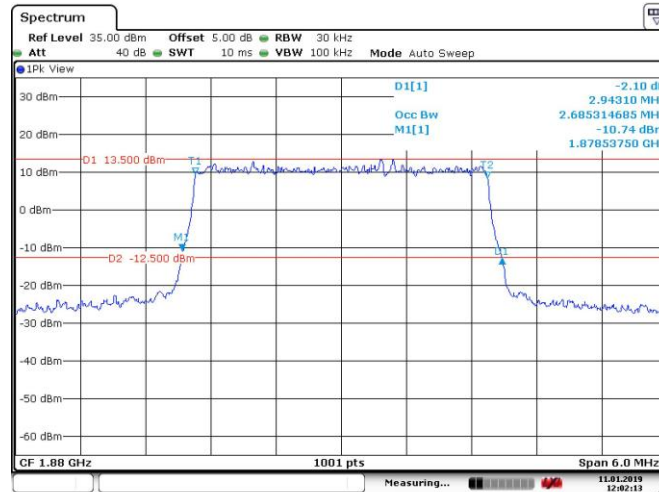


Band2_3MHz_16QAM_18615_15RB#0



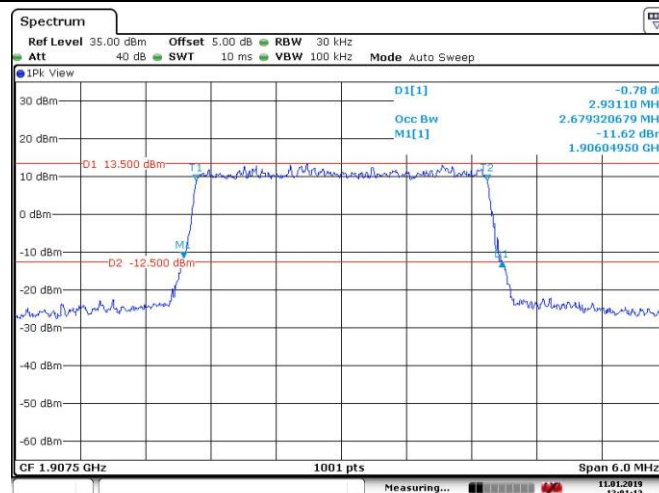
Date: 11.JAN.2019 12:03:08

Band2_3MHz_16QAM_18900_15RB#0



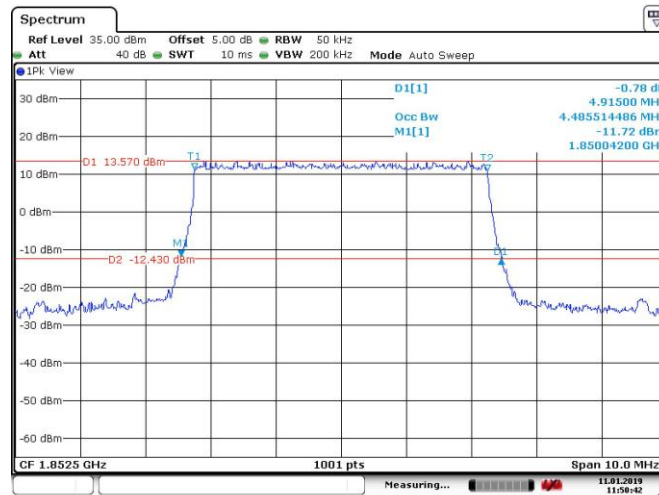
Date: 11.JAN.2019 12:02:13

Band2_3MHz_16QAM_19185_15RB#0



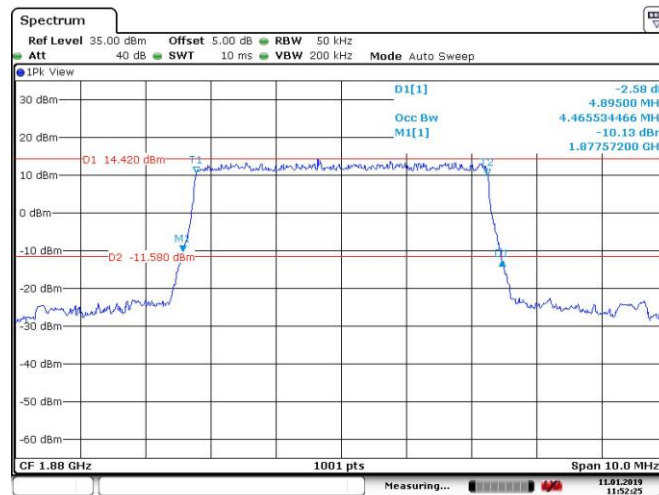
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Band2_5MHz_QPSK_18625_25RB#0



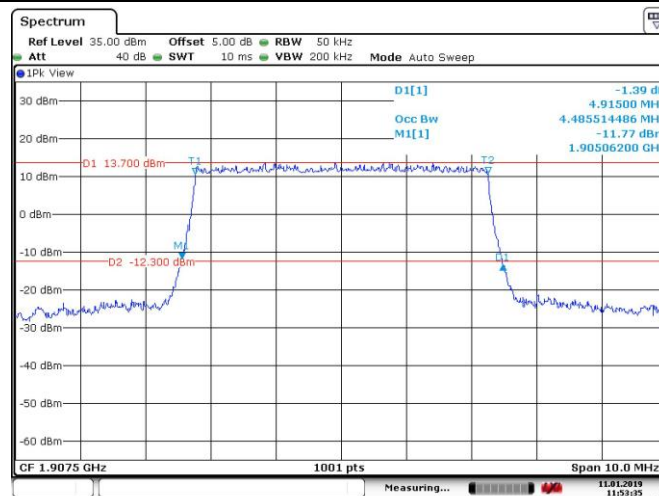
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Band2_5MHz_QPSK_18900_25RB#0



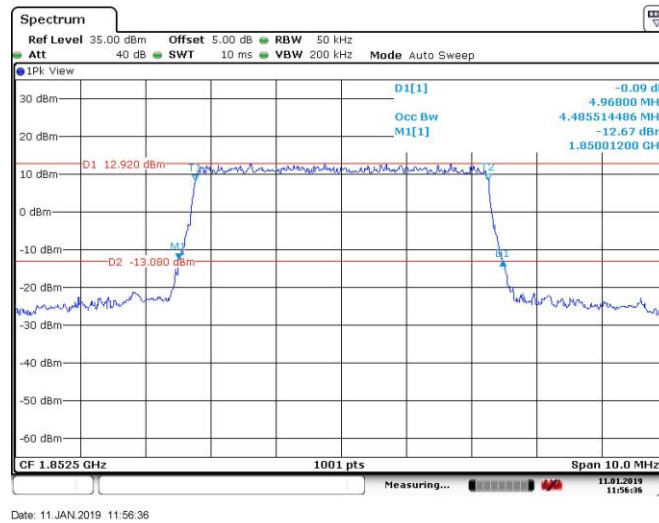
Date: 11.JAN.2019 11:52:25

Band2_5MHz_QPSK_19175_25RB#0

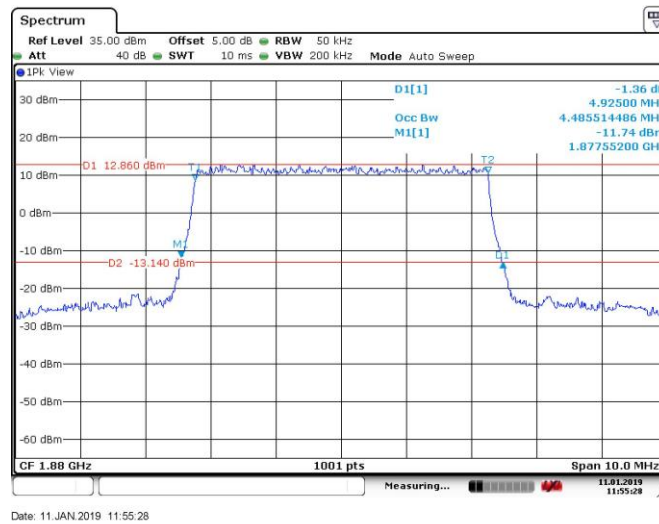


Date: 11.JAN.2019 11:53:36

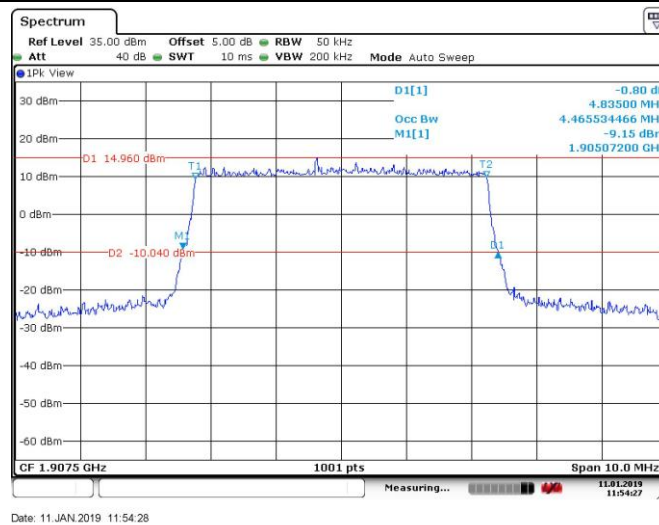
Band2_5MHz_16QAM_18625_25RB#0



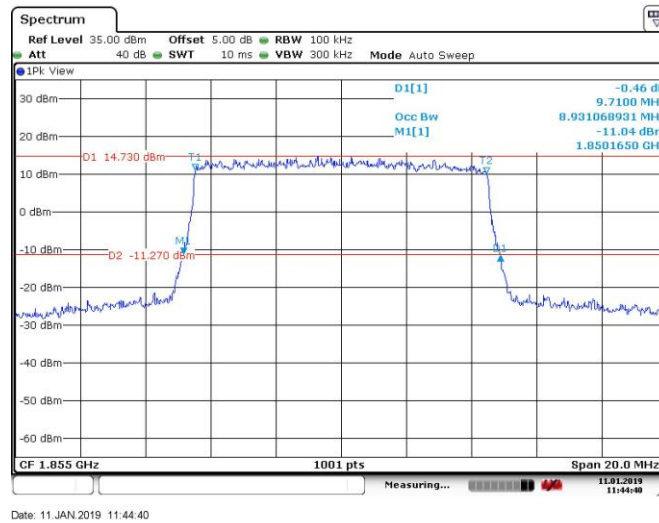
Band2_5MHz_16QAM_18900_25RB#0



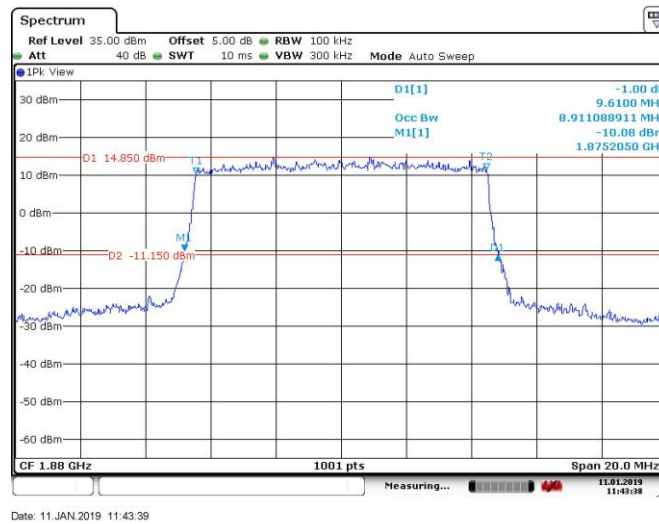
Band2_5MHz_16QAM_19175_25RB#0



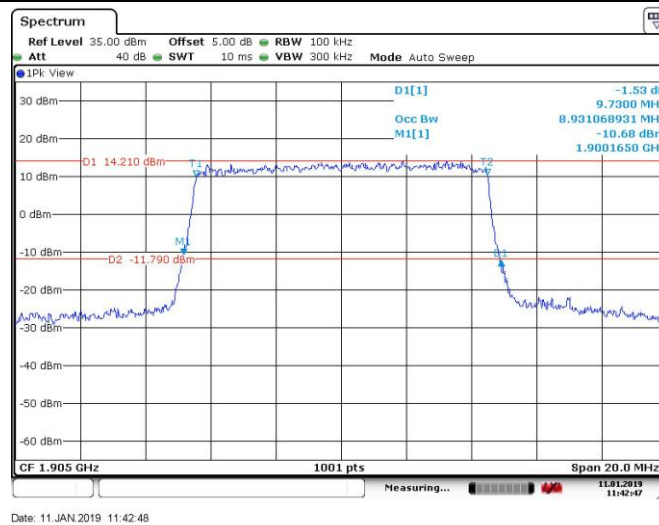
Band2_10MHz_QPSK_18650_50RB#0



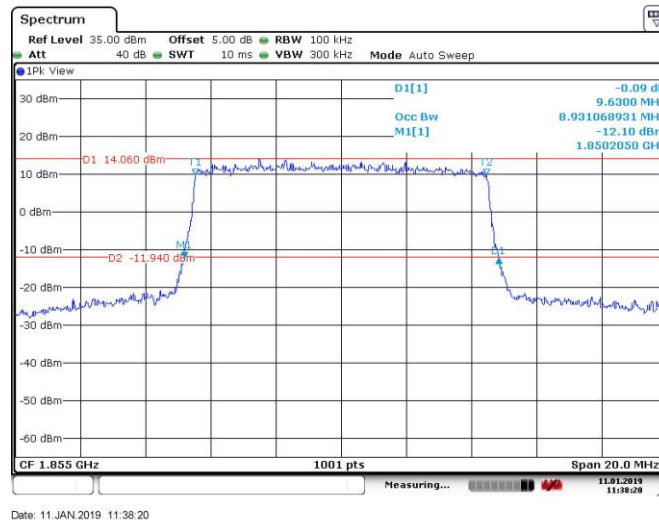
Band2_10MHz_QPSK_18900_50RB#0



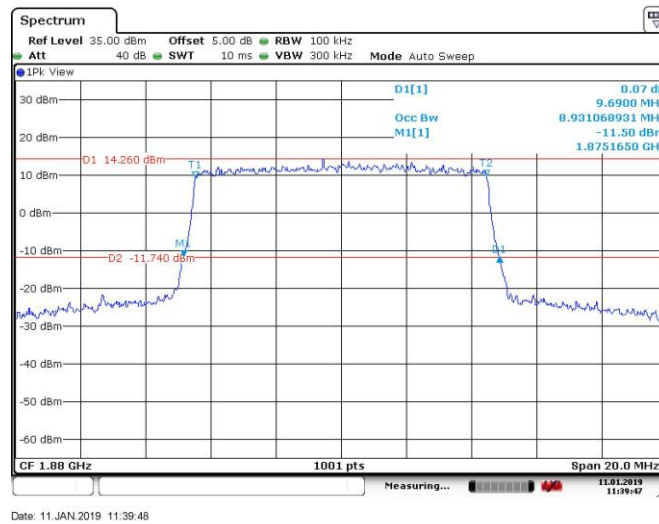
Band2_10MHz_QPSK_19150_50RB#0



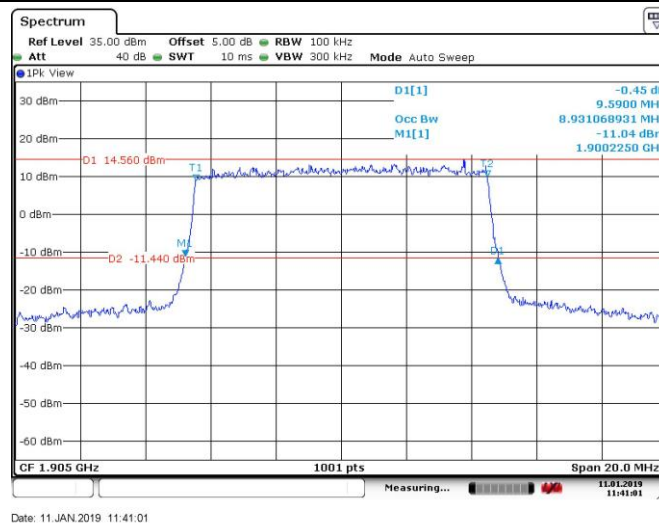
Band2_10MHz_16QAM_18650_50RB#0



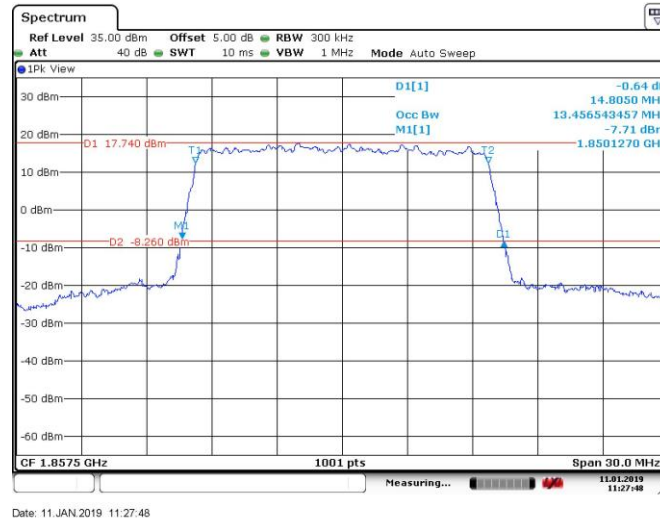
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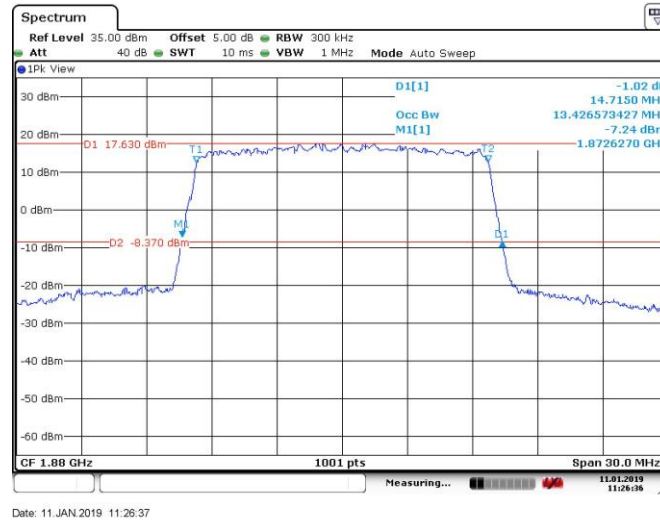
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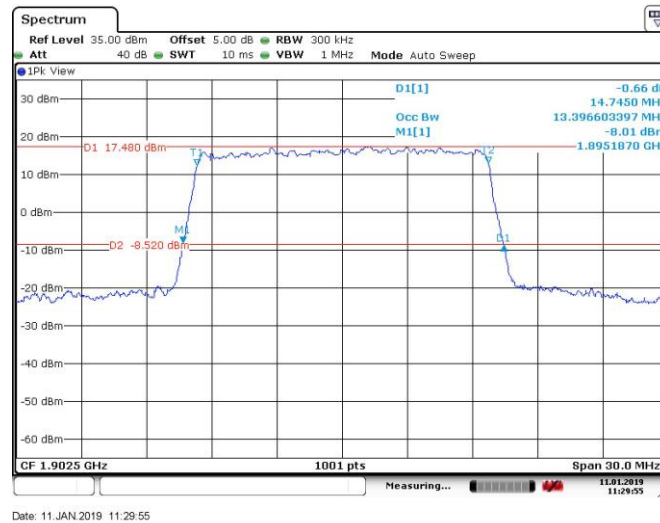
Band2_15MHz_QPSK_18675_75RB#0



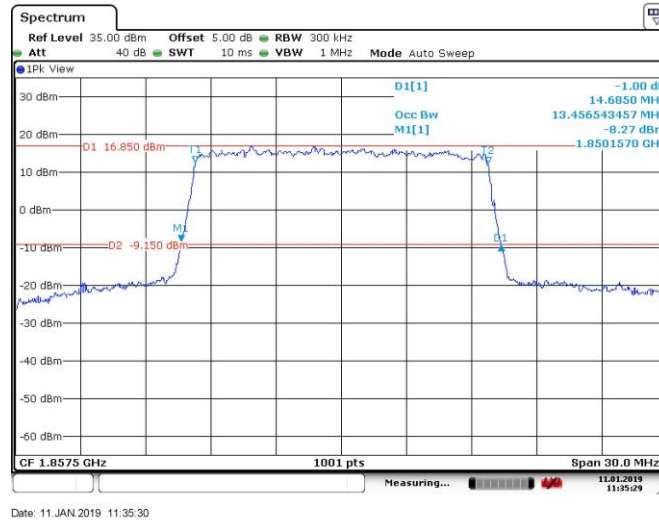
Band2_15MHz_QPSK_18900_75RB#0



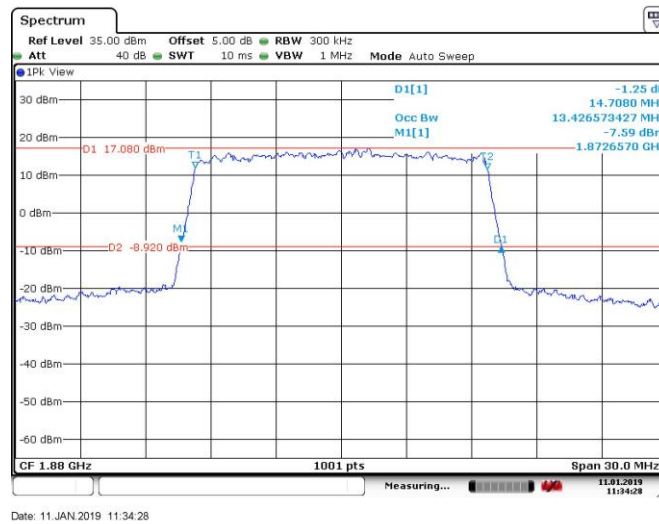
Band2_15MHz_QPSK_19125_75RB#0



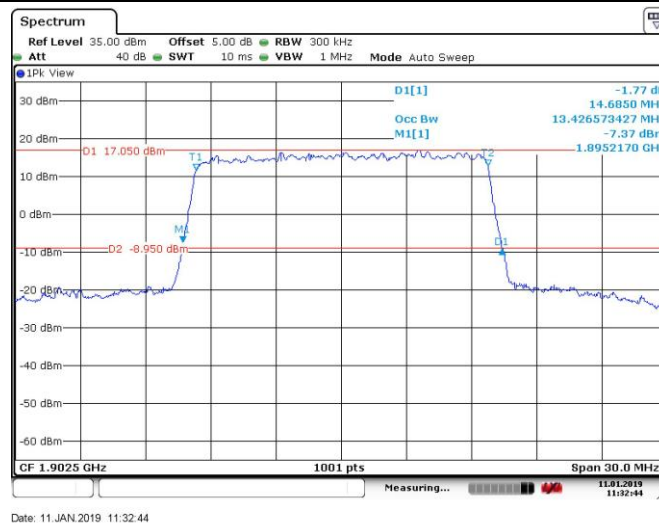
Band2_15MHz_16QAM_18675_75RB#0



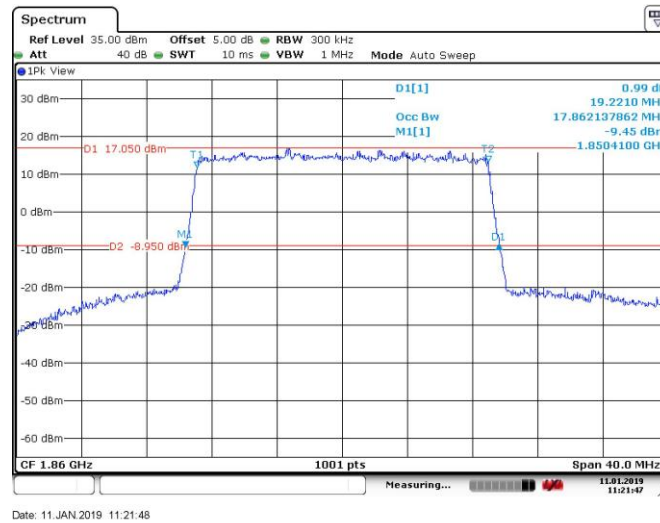
Band2_15MHz_16QAM_18900_75RB#0



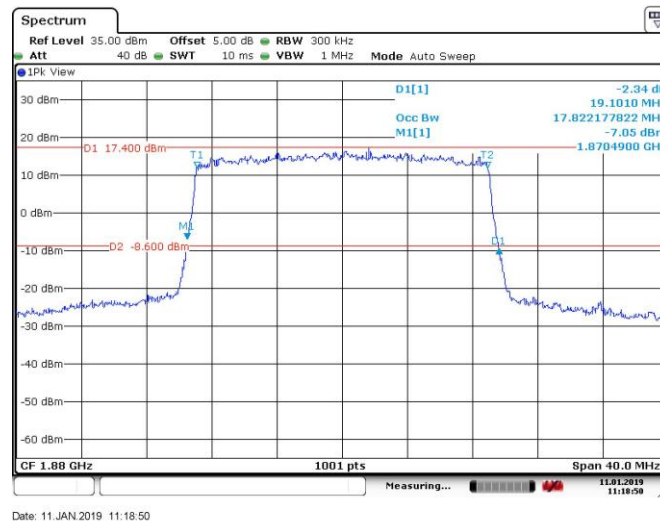
Band2_15MHz_16QAM_19125_75RB#0



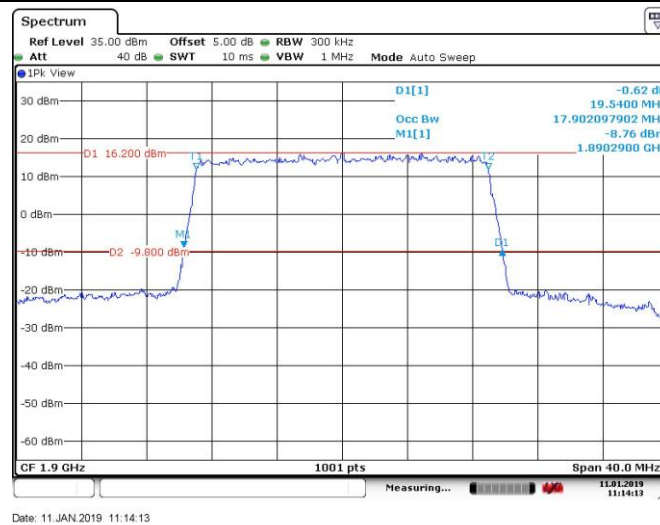
Band2_20MHz_QPSK_18700_100RB#0



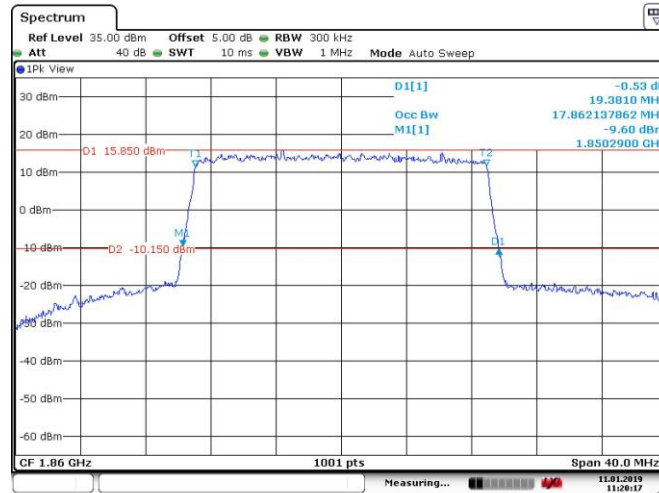
Band2_20MHz_QPSK_18900_100RB#0



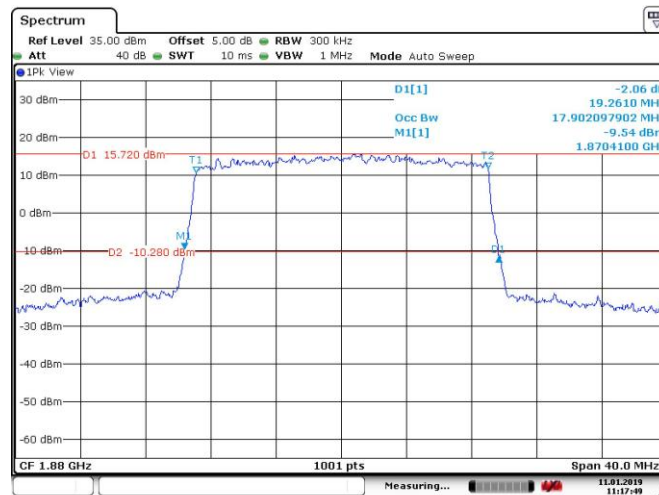
Band2_20MHz_QPSK_19100_100RB#0



Band2_20MHz_16QAM_18700_100RB#0



Band2_20MHz_16QAM_18900_100RB#0



Band2_20MHz_16QAM_19100_100RB#0

