

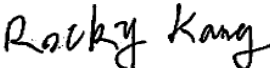
FCC PART 15.247 TEST REPORT

For

RTX Hong Kong Ltd.

8/F Corporation Square, 8 Lam Lok Street, Kowloon Bay, Hong Kong

FCC ID: T7HCT8631

Report Type: Original Report	Product Type: DECT Cordless Phone
Report Number: RSZ180308010-00C	
Report Date: 2018-04-08	
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *RTX Hong Kong Ltd.* 's product, model number: *RTX8631 Handset (FCC ID: T7HCT8631)* or the "EUT" in this report was a *DECT Cordless Phone*, which was measured approximately: 11.7 cm (L) x 4.5 cm (W) x 2.2 cm (H) and measured approximately: 12.2 cm (L) x 4.9 cm (W) x 2.2 cm (H) for series model *RTX8632 Handset*, 12.2 cm (L) x 4.9 cm (W) x 2.2 cm (H) for *RTX8633 Handset*, rated input voltage: DC 3.7V from battery or DC 5.0V from charger adapter.

Adapter 1 Information:

Model: S008ACM0500100

Input: AC 100-240V, 50/60Hz, 300mA

Output: DC 5.0V, 1000mA

Adapter 2 Information:

Model: S008ACM0500200

Input: AC 100-240V, 50/60Hz, 300mA

Output: DC 5.0V, 2000mA

Adapter 3 Information:

Model: S010WU0500200

Input: AC 100-240V, 50/60Hz, 400mA

Output: DC 5.0V, 2000mA

Notes: This series products model: RTX8632 Handset, RTX8633 Handset and RTX8631 Handset are electrically identical. Model RTX8631 Handset was selected for fully testing, the detailed information can be referred to the declaration which was stated and guaranteed by the applicant.

**All measurement and test data in this report was gathered from production sample serial number: 1800282-1 for model RTX8631 Handset, 1800282-2 for model RTX8632 Handset, 1800282-3 for model RTX8633 Handset. (Assigned by BACL, Shenzhen). The EUT supplied by the applicant was received on 2018-03-08.*

Objective

This test report is prepared on behalf of *RTX Hong Kong Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Related Submittal(s)/Grant(s)

Part 15.247 DTS, Part 15D PUE submissions with FCC ID: T7HCT8631.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		±5%
RF Output Power with Power meter		±0.5dB
RF conducted test with spectrum		±1.5dB
AC Power Lines Conducted Emissions		±1.95dB
Emissions, Radiated	Below 1GHz	±4.75dB
	Above 1GHz	±4.88dB
Temperature		±3°C
Humidity		±6%
Supply voltages		±0.4%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 6/F., West Wing, Third Phase of Wanli Industrial Building, Shihua Road, Futian Free Trade Zone, Shenzhen, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 342867, the FCC Designation No. : CN1221.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062B.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in an engineering mode.

EUT Exercise Software

“Bluetest.exe” software was used to the EUT tested, the power level is default.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

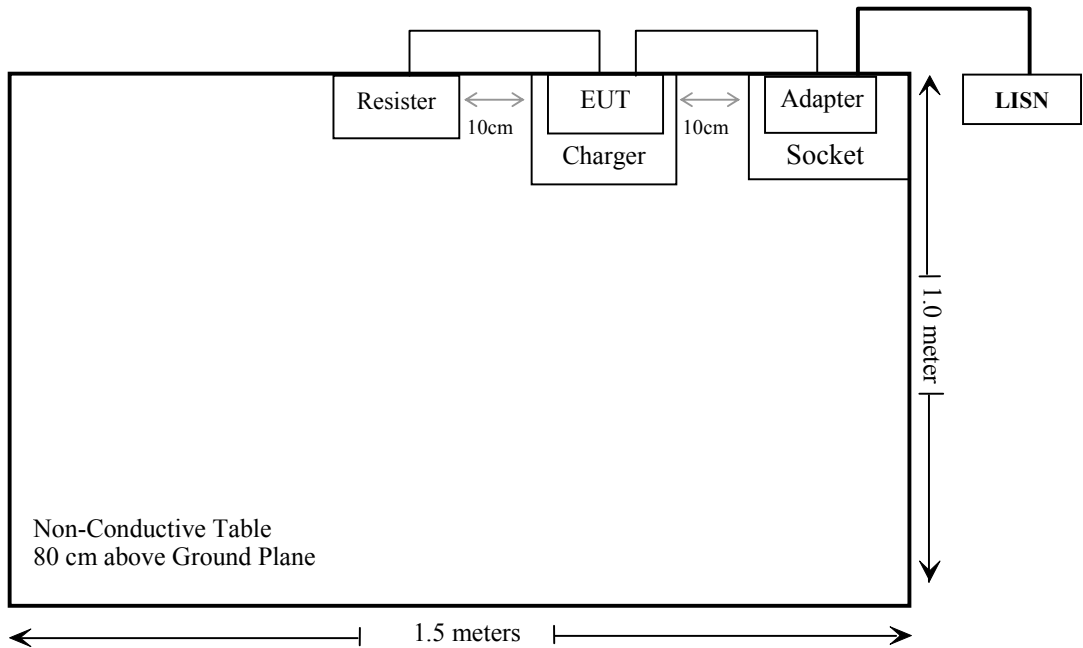
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
N/A	3 Ω Resister	N/A	N/A

External I/O Cable

Cable Description	Length (m)	From/Port	To
Un-shielded Un-detachable AC Cable	1.0	Mains	Socket
Shielded Un-detachable USB Cable	2.0	Charger	Adapter
Un-shielded Un-detachable USB Cable	0.5	3 Ω Resister	Charger

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (i), §2.1093	RF Exposure	Compliance
§15.203	Antenna Requirement	Compliance
§15.207(a)	AC Line Conducted Emissions	Compliance
§15.205, §15.209 & §15.247(d)	Radiated Emissions	Compliance
§15.247(a)(1)	20 dB Emission Bandwidth	Compliance
§15.247(a)(1)	Channel Separation Test	Compliance
§15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Compliance
§15.247(a)(1)(iii)	Quantity of hopping channel Test	Compliance
§15.247(b)(1)	Peak Output Power Measurement	Compliance
§15.247(d)	Band edges	Compliance

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions Test					
Rohde & Schwarz	EMI Test Receiver	ESCS30	100176	2017-08-04	2018-08-04
Rohde & Schwarz	LISN	ENV216	3560.6650.12-101613-Yb	2017-12-21	2018-12-21
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2017-11-19	2018-05-17
Rohde & Schwarz	CE Test software	EMC 32	V8.53.0	NCR	NCR
N/A	Conducted Emission Cable	N/A	UF A210B-1-0720-504504	2017-11-12	2018-05-12
Radiated Emission Test					
A.H.System	Horn Antenna	SAS-200/571	135	2015-08-18	2018-08-17
Rohde & Schwarz	Signal Analyzer	FSEM	845987/005	2017-04-24	2018-04-24
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2017-05-21	2018-05-21
HP	Amplifier	HP8447E	1937A01046	2017-11-19	2018-05-21
Sunol Sciences	Broadband Antenna	JB1	A040904-2	2017-12-17	2020-12-16
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2018-01-11	2019-01-11
Ducommun technologies	RF Cable	UFA210A-1-4724-30050U	MFR64369 223410-001	2017-11-19	2018-05-21
Ducommun technologies	RF Cable	104PEA	218124002	2017-11-19	2018-05-21
Ducommun technologies	RF Cable	RG-214	1	2017-11-19	2018-05-21
Ducommun technologies	RF Cable	RG-214	2	2017-11-22	2018-05-22
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-04	2017-12-29	2020-12-28
Ducommun Technologies	Pre-amplifier	ALN-22093530-01	991373-01	2017-08-03	2018-08-03
Sinoscite	Notch Filter	BSF2402-2480MN-0898-001	N/A	2017-05-21	2018-05-21
Rohde & Schwarz	Auto test software	EMC 32	V9.10	NCR	NCR

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
Agilent	P-Series Power Meter	N1912A	MY5000448	2018-01-02	2019-01-02
Agilent	Wideband Power Sensor	N1921A	MY54210016	2018-01-02	2019-01-02
WEINSCHTEL	10dB Attenuator	5324	AU 3842	Each Time	
Rohde & Schwarz	SPECTRUM ANALYZER	FSU26	200120	2017-12-24	2018-12-24
Ducommun technologies	RF Cable	RG-214	3	Each Time	

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC§15.247 (i), §1.1307 (b) (1) &§2.1093 – RF EXPOSURE

Applicable Standard

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D01 General RF Exposure Guidance

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

1. $f(\text{GHz})$ is the RF channel transmit frequency in GHz.

2. Power and distance are rounded to the nearest mW and mm before calculation.

3. The result is rounded to one decimal place for comparison.

4. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test Exclusion.

For worst case:

Frequency (MHz)	Maximum Tune-up power		Calculated Distance (mm)	Calculated Value	Threshold (1-g SAR)	SAR Test Exclusion
	(dBm)	(mW)				
2480	5.5	3.55	5.0	1.12	3.0	Yes

Result: No Standalone SAR test is required

FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Antenna Connector Construction

The EUT has one internal antenna arrangement, which was permanently attached and the antenna gain is 1.0 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

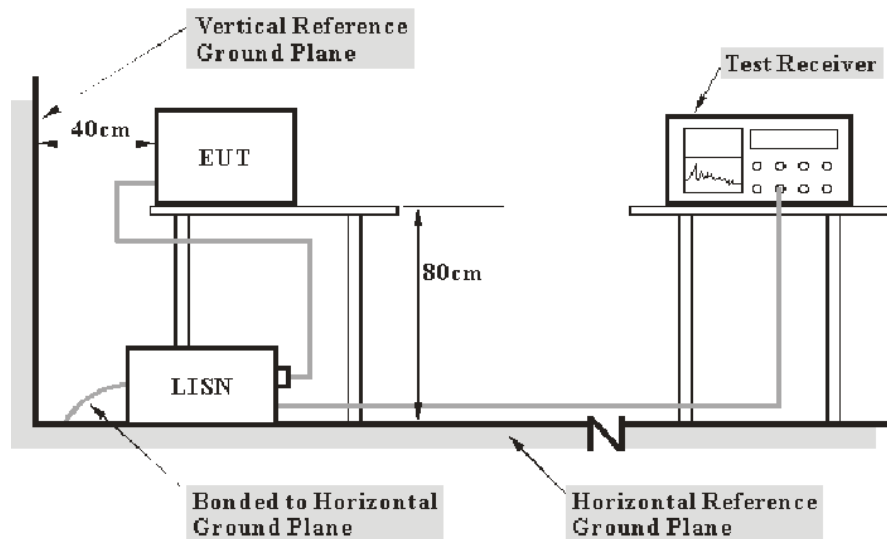
Result: Compliance.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with ANSI C63.10-2013. The related limit was specified in FCC Part 15.207.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Corrected Factor & Margin Calculation

The Corrected factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

$$\text{Correction Factor} = \text{LISN VDF} + \text{Cable Loss} + \text{Transient Limiter Attenuation}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207,

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level complies with the limit if

$$L_m + U_{(Lm)} \leq L_{\text{lim}} + U_{\text{cispr}}$$

In BACL, $U_{(Lm)}$ is less than U_{cispr} , if L_m is less than L_{lim} , it implies that the EUT complies with the limit.

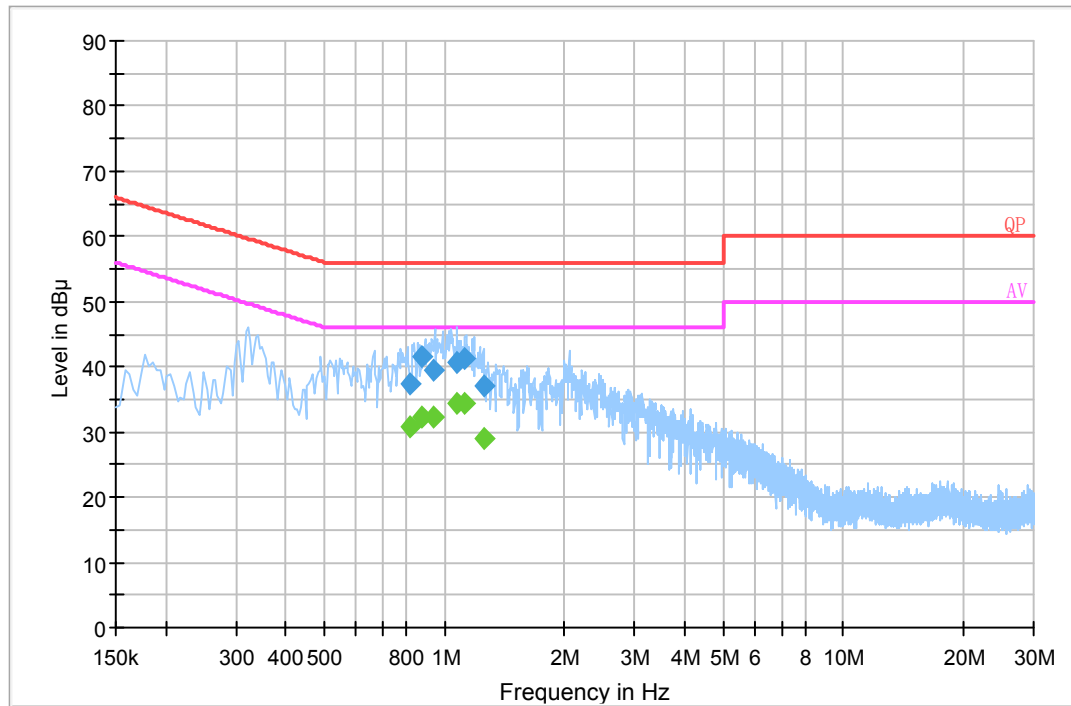
Test Data

Environmental Conditions

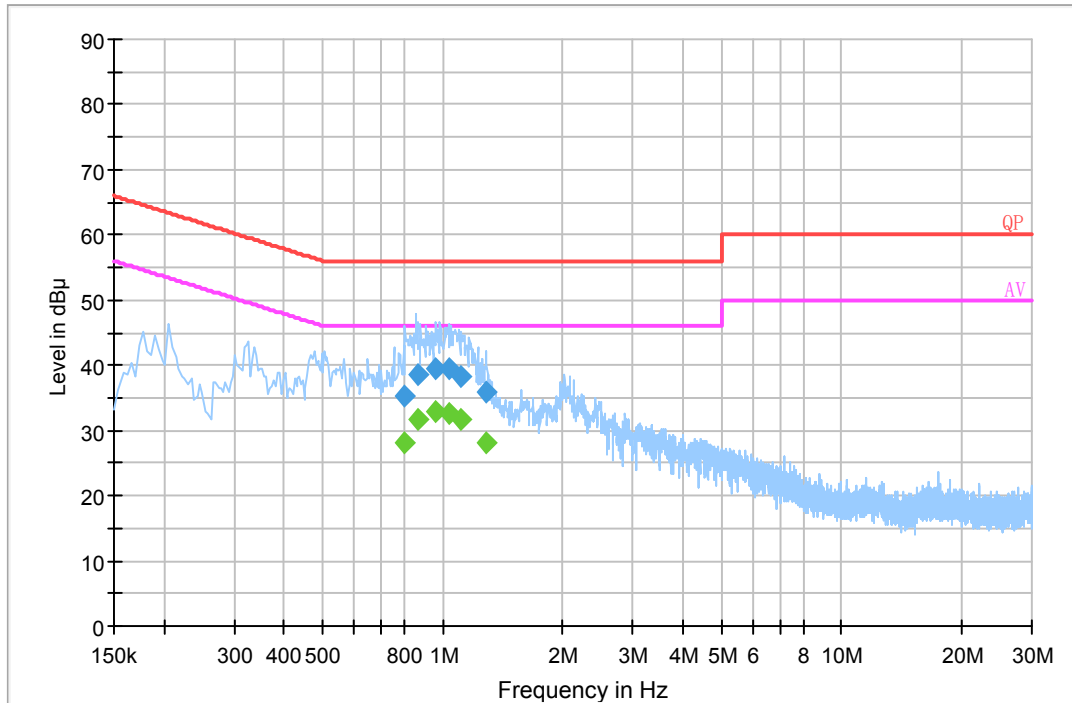
Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

The testing was performed by Jacob Kong on 2018-03-13.

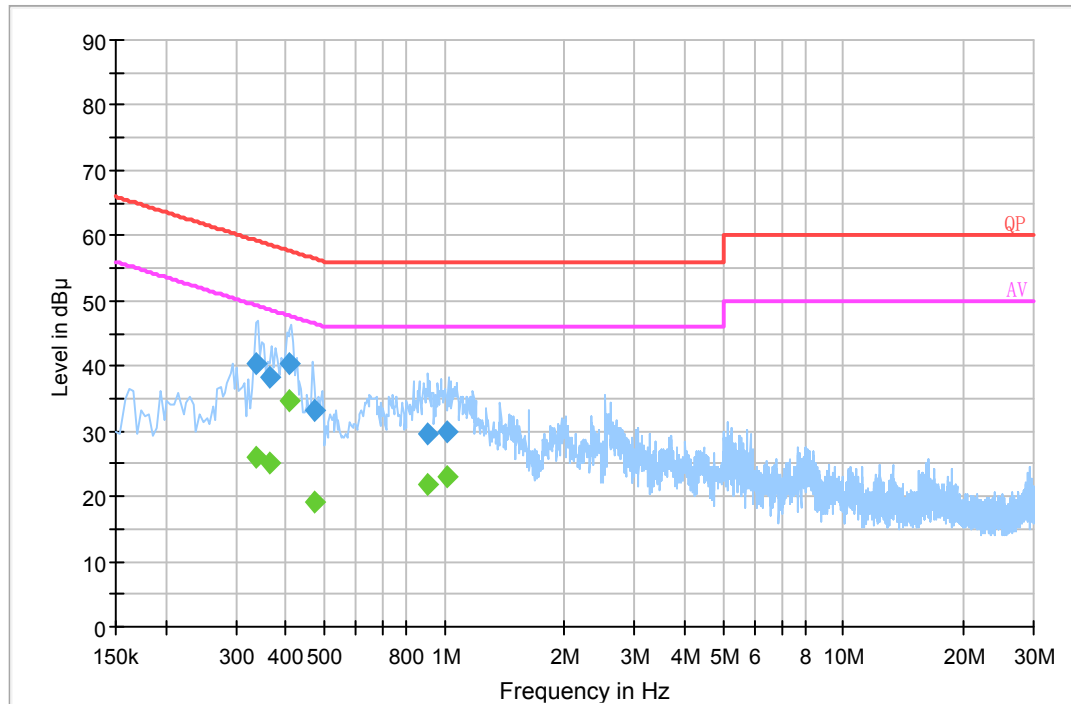
EUT operation mode: Transmitting & charging (worst case for BDR mode, Low channel)

Adapter 1:**AC 120V/60 Hz, Line**

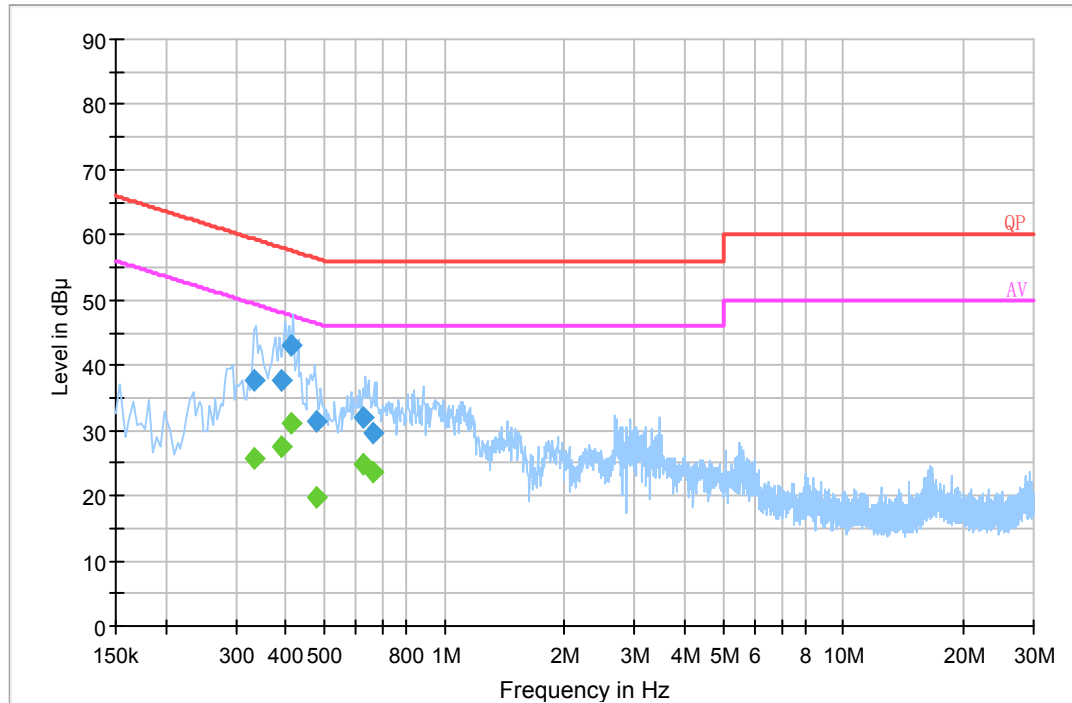
Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.822150	37.3	20.0	56.0	18.7	QP
0.880590	41.7	20.1	56.0	14.3	QP
0.939810	39.6	20.1	56.0	16.4	QP
1.069890	40.8	20.1	56.0	15.2	QP
1.125050	41.2	20.1	56.0	14.8	QP
1.259190	37.0	20.1	56.0	19.0	QP
0.822150	30.8	20.0	46.0	15.2	Ave.
0.880590	32.3	20.1	46.0	13.7	Ave.
0.939810	32.3	20.1	46.0	13.7	Ave.
1.069890	34.3	20.1	46.0	11.7	Ave.
1.125050	34.4	20.1	46.0	11.6	Ave.
1.259190	28.9	20.1	46.0	17.1	Ave.

AC 120V/60 Hz, Neutral

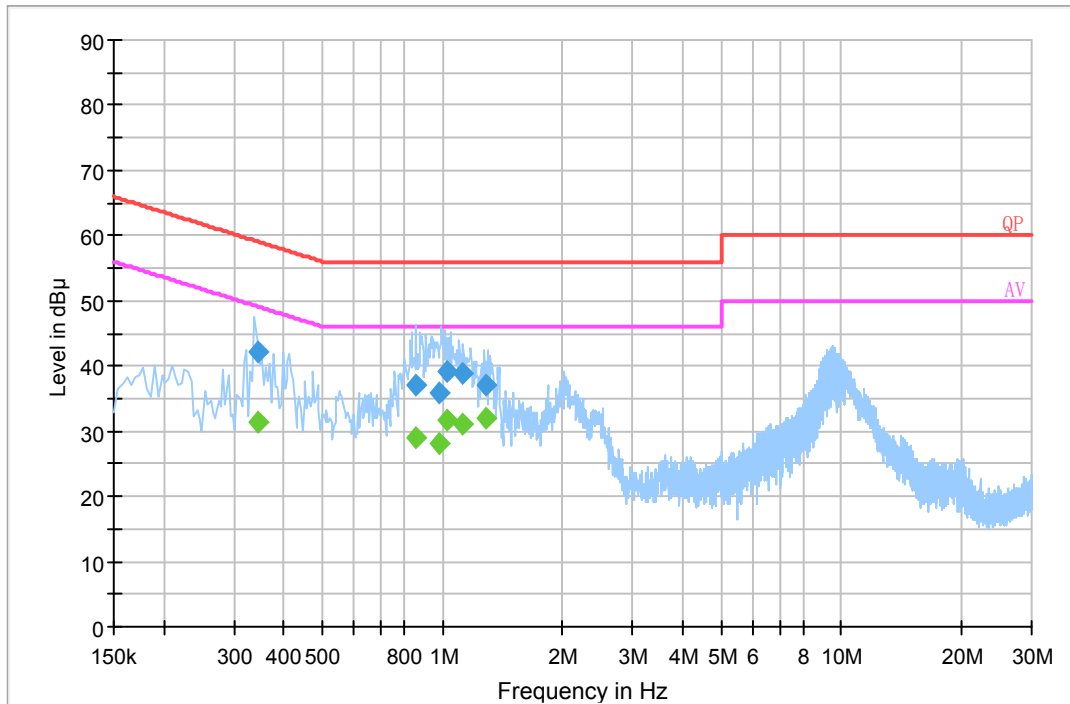
Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.797910	35.1	20.0	56.0	20.9	QP
0.865130	38.6	20.1	56.0	17.4	QP
0.963570	39.4	20.1	56.0	16.6	QP
1.034370	39.4	20.1	56.0	16.6	QP
1.113110	38.4	20.1	56.0	17.6	QP
1.282710	35.8	20.1	56.0	20.2	QP
0.797910	28.0	20.0	46.0	18.0	Ave.
0.865130	31.6	20.1	46.0	14.4	Ave.
0.963570	32.9	20.1	46.0	13.1	Ave.
1.034370	32.6	20.1	46.0	13.4	Ave.
1.113110	31.8	20.1	46.0	14.2	Ave.
1.282710	28.1	20.1	46.0	17.9	Ave.

Adapter 2:**AC 120V/60 Hz, Line**

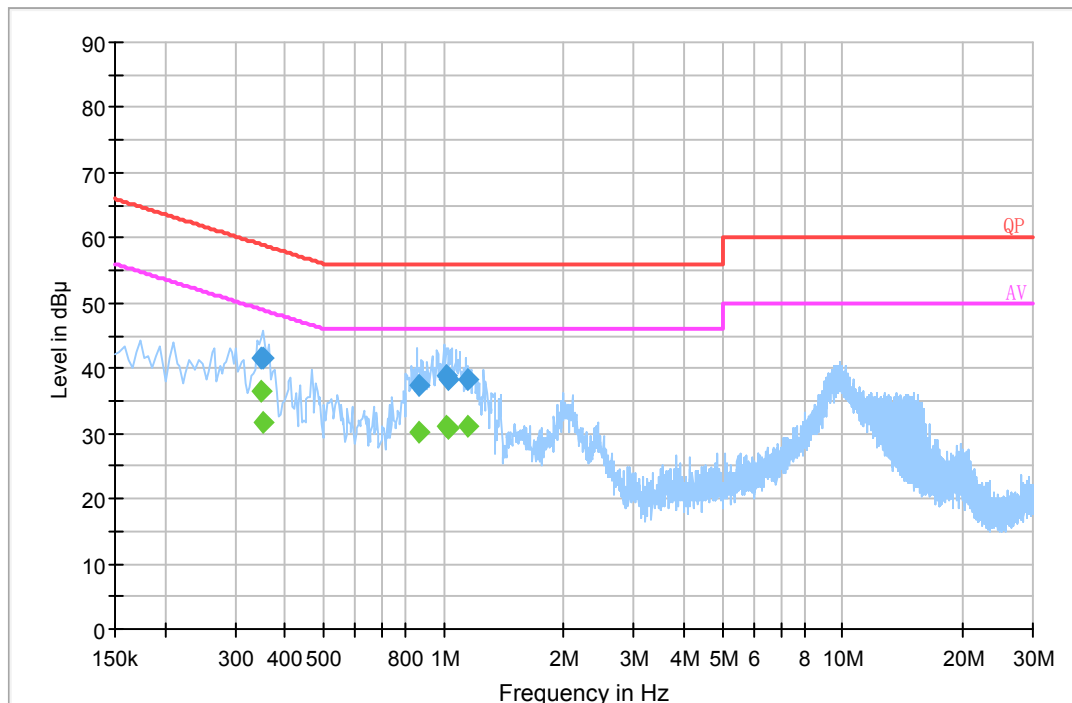
Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.336870	40.3	20.2	59.3	19	QP
0.364450	38.4	20.2	58.6	20.2	QP
0.407790	40.3	20.2	57.7	17.4	QP
0.472990	33.3	20.2	56.5	23.2	QP
0.904350	29.5	20.1	56.0	26.5	QP
1.010670	29.9	20.1	56.0	26.1	QP
0.336870	26.1	20.2	49.3	23.2	Ave.
0.364450	25.0	20.2	48.6	23.6	Ave.
0.407790	34.8	20.2	47.7	12.9	Ave.
0.472990	19.0	20.2	46.5	27.5	Ave.
0.904350	21.7	20.1	46.0	24.3	Ave.
1.010670	23.0	20.1	46.0	23	Ave.

AC 120V/60 Hz, Neutral

Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.332930	37.7	20.2	59.4	21.7	QP
0.388210	37.7	20.2	58.1	20.4	QP
0.411730	43.2	20.2	57.6	14.4	QP
0.478890	31.4	20.2	56.4	25	QP
0.628490	31.9	20.1	56.0	24.1	QP
0.663890	29.7	20.0	56.0	26.3	QP
0.332930	25.7	20.2	49.4	23.7	Ave.
0.388210	27.6	20.2	48.1	20.5	Ave.
0.411730	31.0	20.2	47.6	16.6	Ave.
0.478890	19.7	20.2	46.4	26.7	Ave.
0.628490	24.7	20.1	46.0	21.3	Ave.
0.663890	23.7	20.0	46.0	22.3	Ave.

Adapter 3:**AC 120V/60 Hz, Line**

Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.343070	42.1	20.2	59.1	17.0	QP
0.861130	37.1	20.1	56.0	18.9	QP
0.979090	35.9	20.1	56.0	20.1	QP
1.022790	39.2	20.1	56.0	16.8	QP
1.125110	38.8	20.1	56.0	17.2	QP
1.286830	37.1	20.1	56.0	18.9	QP
0.343070	31.4	20.2	49.1	17.7	Ave.
0.861130	28.9	20.1	46.0	17.1	Ave.
0.979090	28.1	20.1	46.0	17.9	Ave.
1.022790	31.6	20.1	46.0	14.4	Ave.
1.125110	31.1	20.1	46.0	14.9	Ave.
1.286830	31.9	20.1	46.0	14.1	Ave.

AC 120V/60 Hz, Neutral

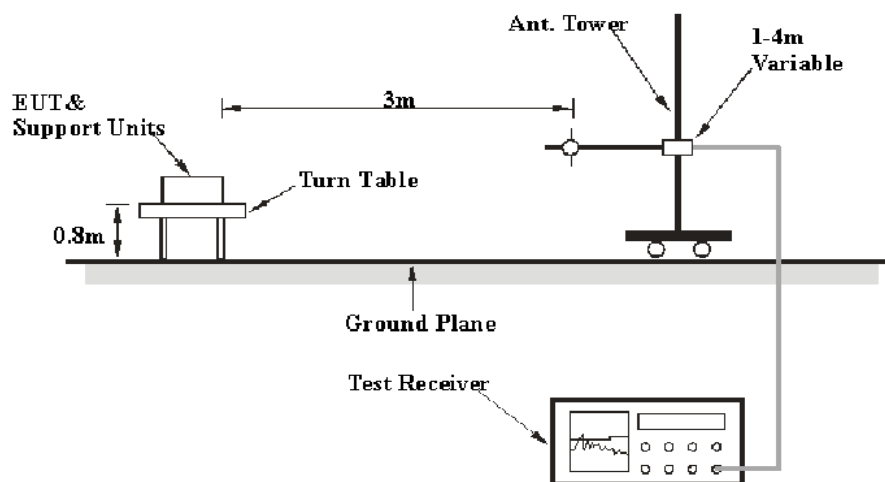
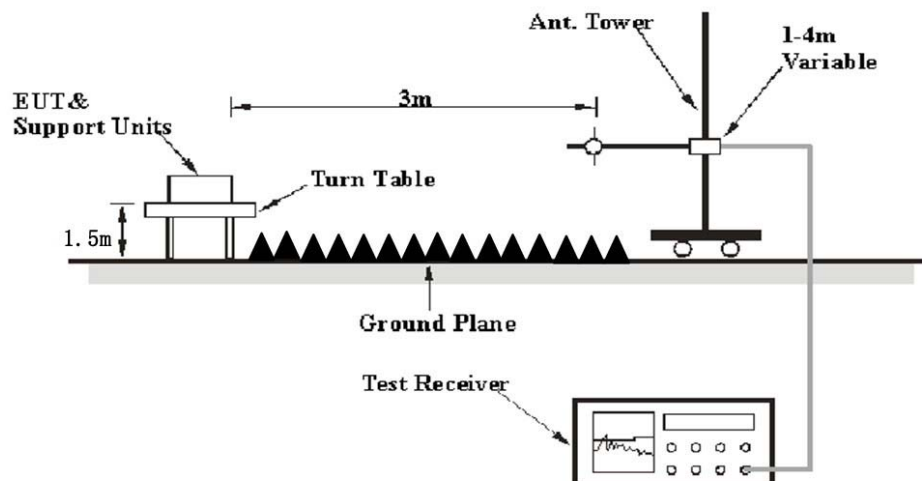
Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.348750	41.7	20.2	59.0	17.3	QP
0.352690	41.7	20.2	58.9	17.2	QP
0.865130	37.3	20.1	56.0	18.7	QP
1.017030	38.9	20.1	56.0	17.2	QP
1.026730	38.3	20.1	56.0	17.7	QP
1.151010	38.2	20.1	56.0	17.8	QP
0.348750	36.4	20.2	49.0	12.6	Ave.
0.352690	31.7	20.2	48.9	17.2	Ave.
0.865130	30.2	20.1	46.0	15.8	Ave.
1.017030	31.0	20.1	46.0	15.0	Ave.
1.026730	30.9	20.1	46.0	15.1	Ave.
1.151010	31.2	20.1	46.0	14.8	Ave.

Note:

- 1) Correction Factor = LISN VDF (Voltage Division Factor) + Cable Loss + Transient Limiter Attenuation
- 2) Corrected Amplitude = Reading + Correction Factor
- 3) Margin = Limit – Corrected Amplitude

FCC §15.205, §15.209 & §15.247(d) – RADIATED EMISSIONS**Applicable Standard**

FCC §15.205; §15.209; §15.247(d)

EUT Setup**Below 1 GHz:****Above 1GHz:**

The radiated emission tests were performed in the 3 meters, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.247 limits.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	PK
	1 MHz	10 Hz	/	Average

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All final data was recorded in Quasi-peak detection mode for frequency range of 30 MHz -1 GHz and peak and Average detection modes for frequencies above 1 GHz.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247.

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level complies with the limit if

$$L_m + U_{(L_m)} \leq L_{\text{lim}} + U_{\text{cispr}}$$

In BAEL, $U_{(L_m)}$ is less than U_{cispr} , if L_m is less than L_{lim} , it implies that the EUT complies with the limit.

Test Data**Environmental Conditions**

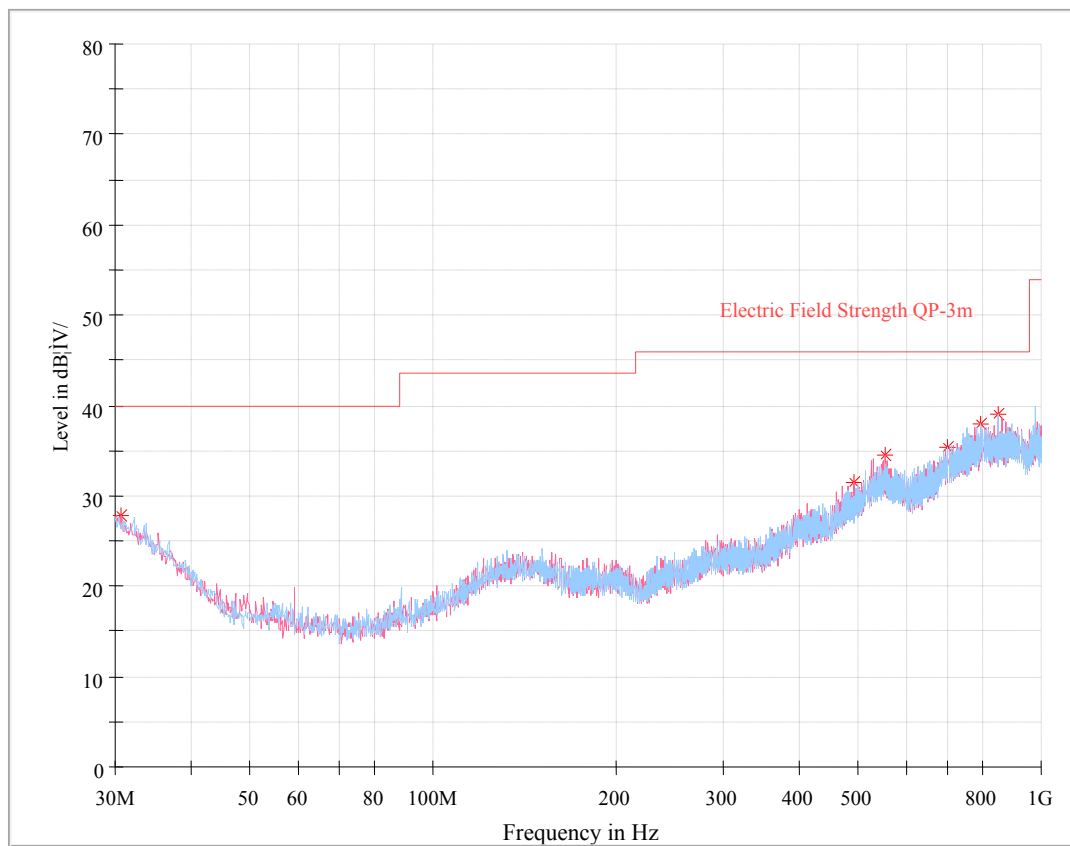
Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

The testing was performed by Jacob Kong on 2018-03-29.

EUT operation mode: Transmitting (Scan with GFSK, $\pi/4$ -DQPSK, 8-DPSK mode, the worst case is GFSK Mode)

Model: RTX8631 Handset

30 MHz~1 GHz: (the worst case is GFSK Mode, Low channel)



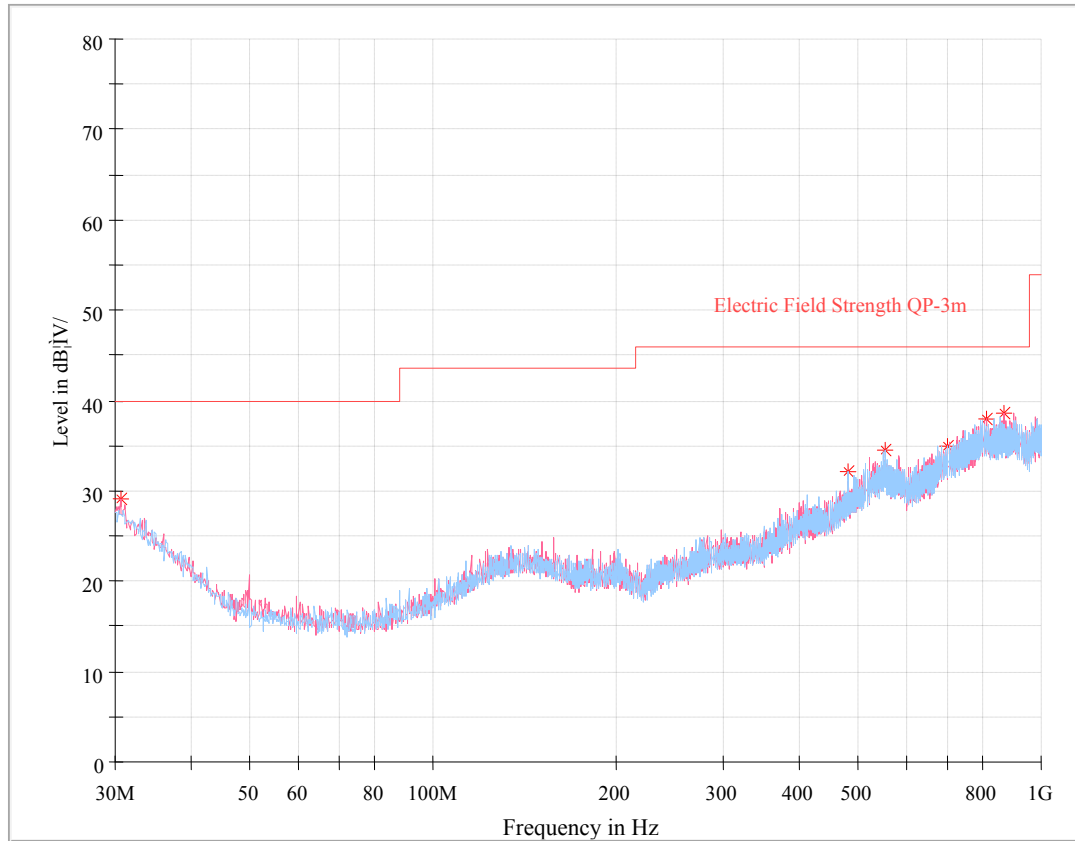
Frequency (MHz)	Corrected Amplitude (dBμV/m)	Antenna height (cm)	Antenna Polarity	Turntable position (degree)	Correction Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
30.727500	27.85	102.0	V	154.0	-0.2	40.00	12.15
492.326250	31.47	102.0	V	1.0	2.5	46.00	14.53
552.587500	34.54	202.0	V	90.0	4.8	46.00	11.46
702.816250	35.33	102.0	H	269.0	6.7	46.00	10.67
792.783750	37.88	102.0	H	9.0	8.8	46.00	8.12
853.045000	39.05	102.0	H	345.0	9.1	46.00	6.95

1 GHz - 25 GHz:

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.247/205/209	
	Reading (dBμV)	PK/QP/Ave.		Height (m)	Polar (H/V)			Limit (dBμV/m)	Margin (dB)
Low Channel (2402 MHz)									
2402.00	59.12	PK	33	1.7	H	33.92	93.04	/	/
2402.00	48.28	Ave.	33	1.7	H	33.92	82.20	/	/
2402.00	58.39	PK	154	1.7	V	33.92	92.31	/	/
2402.00	47.54	Ave.	154	1.7	V	33.92	81.46	/	/
2376.85	26.44	PK	52	1.7	H	33.92	60.36	74	13.64
2376.85	13.11	Ave.	52	1.7	H	33.92	47.03	54	6.97
2484.16	27.22	PK	103	1.8	H	34.08	61.30	74	12.70
2484.16	13.46	Ave.	103	1.8	H	34.08	47.54	54	6.46
4804.00	48.15	PK	152	1.4	H	5.84	53.99	74	20.01
4804.00	32.03	Ave.	152	1.4	H	5.84	37.87	54	16.13
Middle Channel (2441 MHz)									
2441.00	64.24	PK	81	2.4	H	33.92	98.16	/	/
2441.00	53.12	Ave.	81	2.4	H	33.92	87.04	/	/
2441.00	63.41	PK	319	1.3	V	33.92	97.33	/	/
2441.00	52.46	Ave.	319	1.3	V	33.92	86.38	/	/
4882.00	49.35	PK	315	1.0	H	6.21	55.56	74	18.44
4882.00	32.87	Ave.	315	1.0	H	6.21	39.08	54	14.92
High Channel (2480 MHz)									
2480.00	63.98	PK	318	2.1	H	34.08	98.06	/	/
2480.00	52.56	Ave.	318	2.1	H	34.08	86.64	/	/
2480.00	63.89	PK	294	1.7	V	34.08	97.97	/	/
2480.00	52.66	Ave.	294	1.7	V	34.08	86.74	/	/
2376.25	27.13	PK	37	1.2	H	33.92	61.05	74	12.95
2376.25	13.38	Ave.	37	1.2	H	33.92	47.30	54	6.70
2483.59	28.19	PK	311	1.9	H	34.08	62.27	74	11.73
2483.59	14.73	Ave.	311	1.9	H	34.08	48.81	54	5.19
4960.00	51.53	PK	52	1.9	H	7.82	59.35	74	14.65
4960.00	34.52	Ave.	52	1.9	H	7.82	42.34	54	11.66

Model: RTX8632 Handset

30 MHz~1 GHz: (the worst case is GFSK Mode, Low channel)



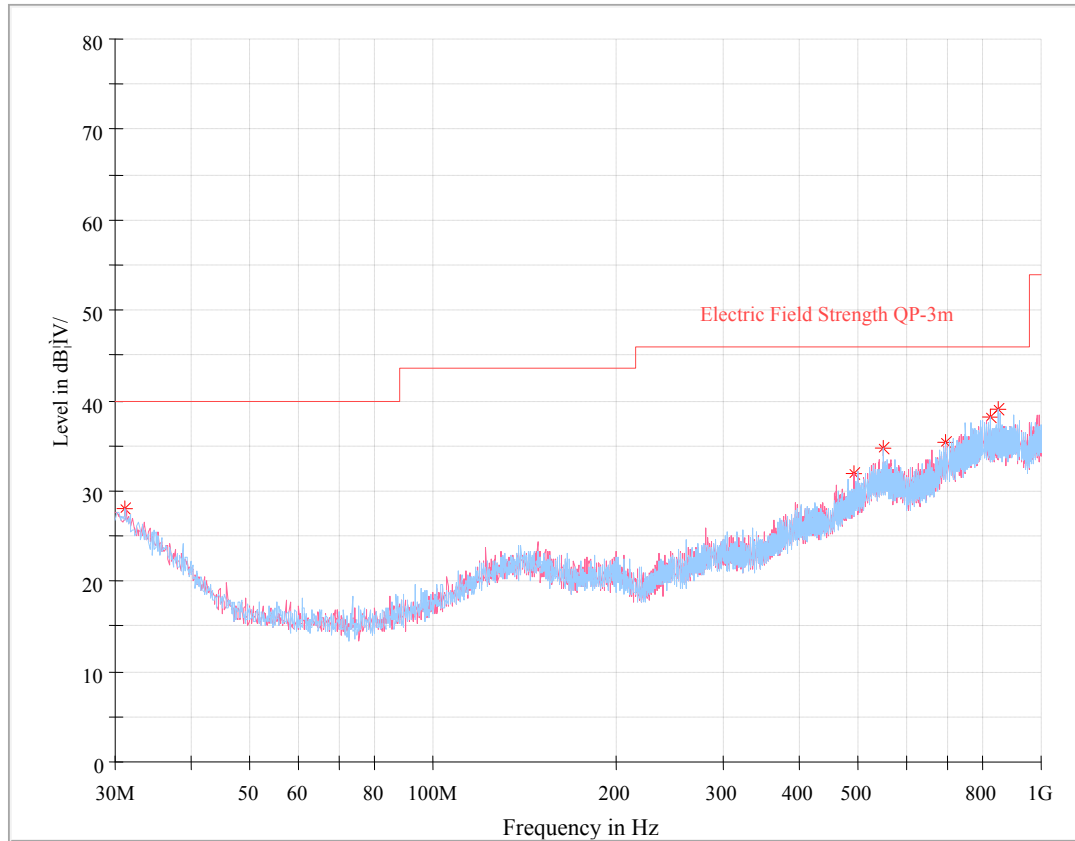
Frequency (MHz)	Corrected Amplitude (dBμV/m)	Antenna height (cm)	Antenna Polarity	Turntable position (degree)	Correction Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
30.606250	29.11	102.0	V	12.0	-0.1	40.00	10.89
481.171250	32.10	202.0	H	0.0	1.9	46.00	13.90
554.163750	34.53	102.0	H	0.0	4.8	46.00	11.47
703.786250	34.96	102.0	V	243.0	6.8	46.00	11.04
866.382500	38.51	102.0	V	26.0	9.3	46.00	7.49
812.062500	37.97	102.0	V	243.0	9.0	46.00	8.03

1 GHz - 25 GHz:

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.247/205/209	
	Reading (dBμV)	PK/QP/Ave.		Height (m)	Polar (H/V)			Limit (dBμV/m)	Margin (dB)
Low Channel (2402 MHz)									
2402.00	58.45	PK	269	1.9	H	33.92	92.37	/	/
2402.00	47.32	Ave.	269	1.9	H	33.92	81.24	/	/
2402.00	56.46	PK	214	2.0	V	33.92	90.38	/	/
2402.00	45.07	Ave.	214	2.0	V	33.92	78.99	/	/
2320.26	26.93	PK	170	1.1	H	33.83	60.76	74	13.24
2320.26	13.16	Ave.	170	1.1	H	33.83	46.99	54	7.01
2486.35	27.26	PK	341	1.8	H	34.08	61.34	74	12.66
2486.35	13.48	Ave.	341	1.8	H	34.08	47.56	54	6.44
4804.00	48.75	PK	163	2.1	H	5.84	54.59	74	19.41
4804.00	32.36	Ave.	163	2.1	H	5.84	38.20	54	15.80
Middle Channel (2441 MHz)									
2441.00	61.15	PK	261	1.7	H	33.92	95.07	/	/
2441.00	50.44	Ave.	261	1.7	H	33.92	84.36	/	/
2441.00	57.94	PK	301	2.1	V	33.92	91.86	/	/
2441.00	46.88	Ave.	301	2.1	V	33.92	80.80	/	/
4882.00	50.45	PK	263	1.2	H	6.21	56.66	74	17.34
4882.00	33.49	Ave.	263	1.2	H	6.21	39.70	54	14.30
High Channel (2480 MHz)									
2480.00	63.08	PK	96	2.4	H	34.08	97.16	/	/
2480.00	52.06	Ave.	96	2.4	H	34.08	86.14	/	/
2480.00	60.36	PK	207	1.9	V	34.08	94.44	/	/
2480.00	49.11	Ave.	207	1.9	V	34.08	83.19	/	/
2363.38	26.88	PK	273	2.4	H	33.92	60.80	74	13.20
2363.38	13.21	Ave.	273	2.4	H	33.92	47.13	54	6.87
2483.53	26.96	PK	26	1.9	H	34.08	61.04	74	12.96
2483.53	13.22	Ave.	26	1.9	H	34.08	47.30	54	6.70
4960.00	50.26	PK	247	1.8	H	7.82	58.08	74	15.92
4960.00	34.16	Ave.	247	1.8	H	7.82	41.98	54	12.02

Model: RTX8633 Handset

30 MHz~1 GHz: (the worst case is GFSK Mode, Low channel)



Frequency (MHz)	Corrected Amplitude (dBμV/m)	Antenna height (cm)	Antenna Polarity	Turntable position (degree)	Correction Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
31.212500	27.99	202.0	H	272.0	-0.5	40.00	12.01
491.962500	32.01	202.0	V	246.0	2.5	46.00	13.99
551.253750	34.74	102.0	H	248.0	4.9	46.00	11.26
694.571250	35.33	202.0	H	326.0	6.4	46.00	10.67
827.097500	38.10	102.0	H	19.0	9.0	46.00	7.90
852.681250	39.07	202.0	H	343.0	9.1	46.00	6.93

1 GHz - 25 GHz:

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.247/205/209	
	Reading (dBμV)	PK/QP/Ave.		Height (m)	Polar (H/V)			Limit (dBμV/m)	Margin (dB)
Low Channel (2402 MHz)									
2402.00	63.04	PK	77	1.5	H	33.92	96.96	/	/
2402.00	52.17	Ave.	77	1.5	H	33.92	86.09	/	/
2402.00	61.27	PK	307	1.2	V	33.92	95.19	/	/
2402.00	50.03	Ave.	307	1.2	V	33.92	83.95	/	/
2345.64	26.88	PK	77	1.8	H	33.83	60.71	74	13.29
2345.64	13.05	Ave.	77	1.8	H	33.83	46.88	54	7.12
2484.39	27.26	PK	149	2.4	H	34.08	61.34	74	12.66
2484.39	13.49	Ave.	149	2.4	H	34.08	47.57	54	6.43
4804.00	49.61	PK	292	2.2	H	5.84	55.45	74	18.55
4804.00	33.20	Ave.	292	2.2	H	5.84	39.04	54	14.96
Middle Channel (2441 MHz)									
2441.00	63.65	PK	13	1.8	H	33.92	97.57	/	/
2441.00	52.17	Ave.	13	1.8	H	33.92	86.09	/	/
2441.00	62.51	PK	72	2.1	V	33.92	96.43	/	/
2441.00	51.36	Ave.	72	2.1	V	33.92	85.28	/	/
4882.00	50.23	PK	104	1.7	H	6.21	56.44	74	17.56
4882.00	33.46	Ave.	104	1.7	H	6.21	39.67	54	14.33
High Channel (2480 MHz)									
2480.00	59.06	PK	202	1.7	H	34.08	93.14	/	/
2480.00	48.41	Ave.	202	1.7	H	34.08	82.49	/	/
2480.00	58.12	PK	221	2.1	V	34.08	92.20	/	/
2480.00	47.62	Ave.	221	2.1	V	34.08	81.70	/	/
2367.55	27.13	PK	69	1.3	H	33.92	61.05	74	12.95
2367.55	13.38	Ave.	69	1.3	H	33.92	47.30	54	6.70
2488.16	26.78	PK	270	2.4	H	34.08	60.86	74	13.14
2488.16	13.05	Ave.	270	2.4	H	34.08	47.13	54	6.87
4960.00	48.16	PK	141	2.1	H	7.82	55.98	74	18.02
4960.00	32.49	Ave.	141	2.1	H	7.82	40.31	54	13.69

Note:

Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor

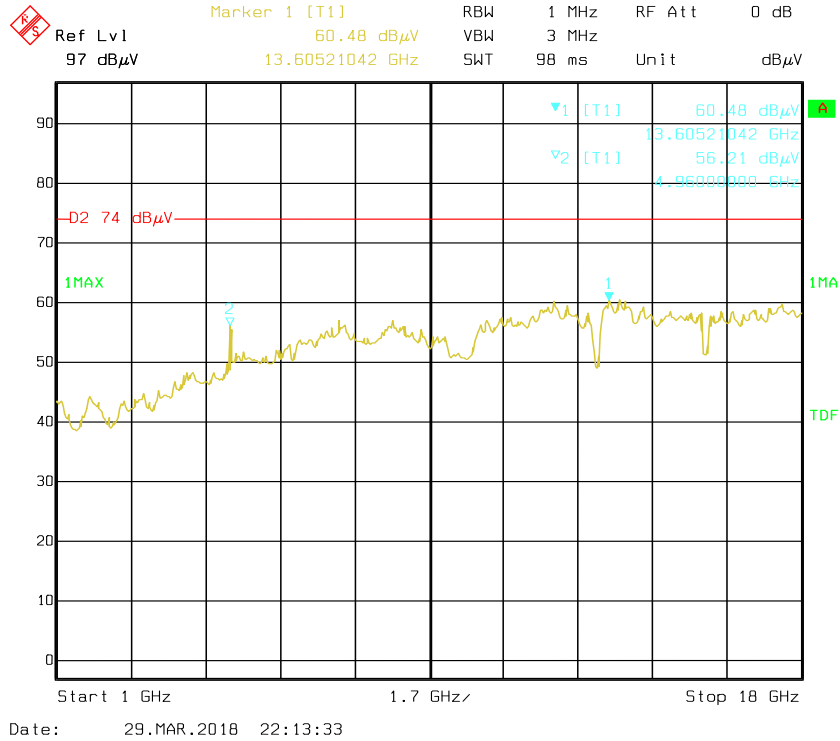
Corrected Amplitude = Corrected Factor + Reading

Margin = Limit - Corrected. Amplitude

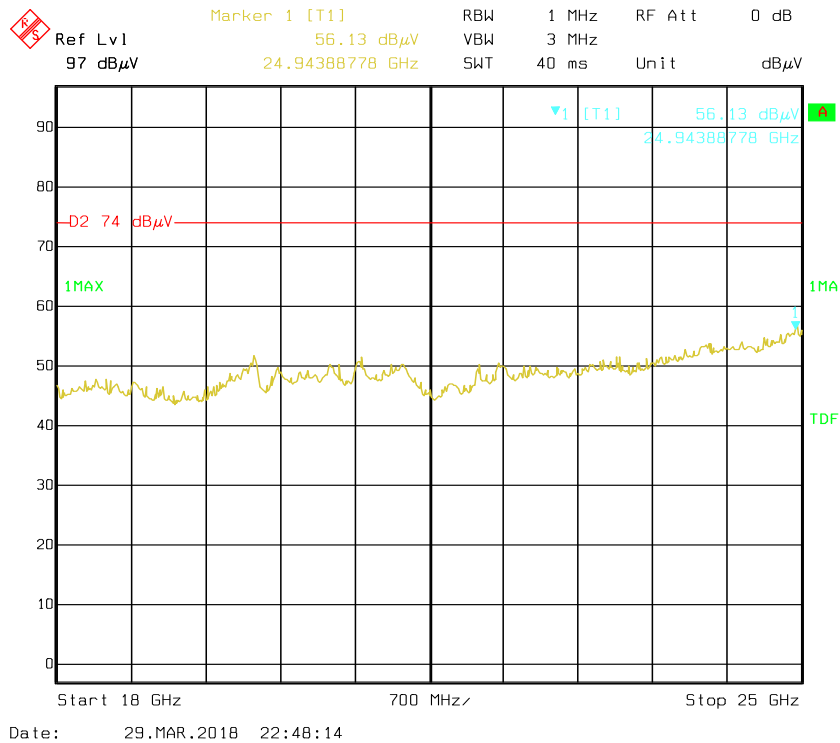
The other spurious emission which is 20dB to the limit was not recorded.

And for the pre-scan is performed with the 2400-2483.5MHz band filter.

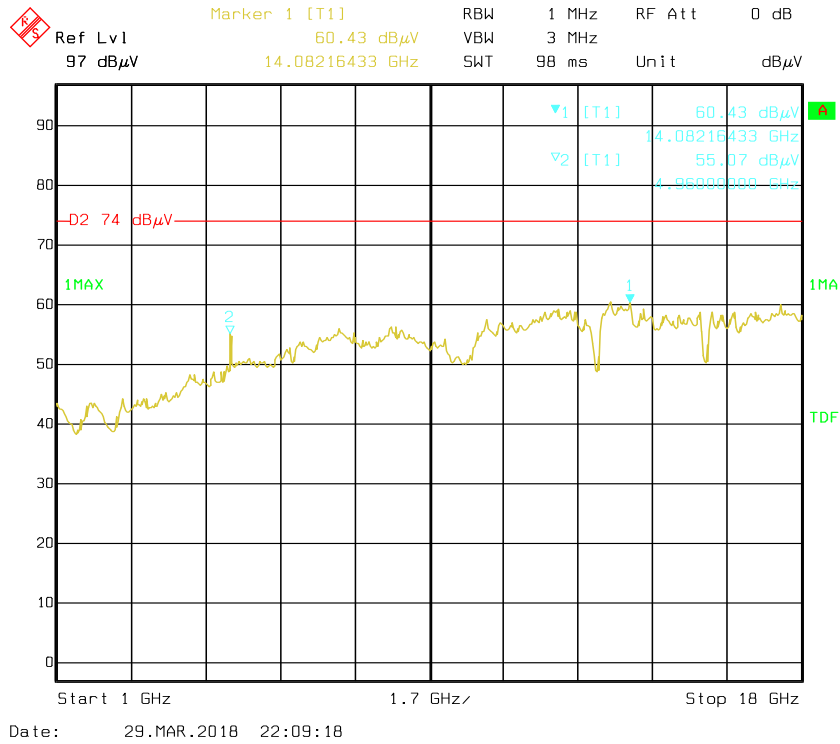
Pre-scan with 2480 MHz Horizontal



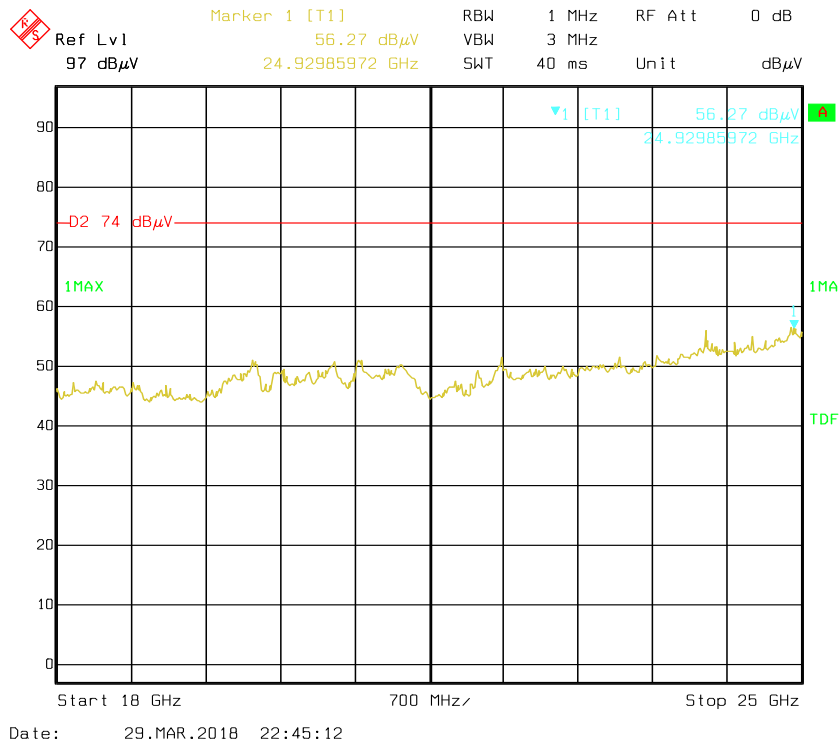
Horizontal



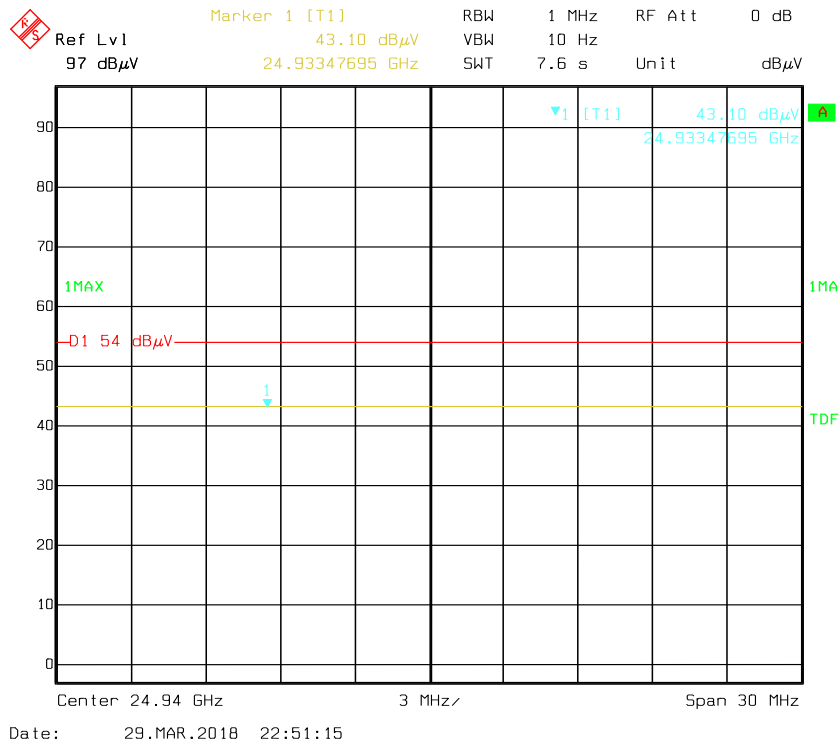
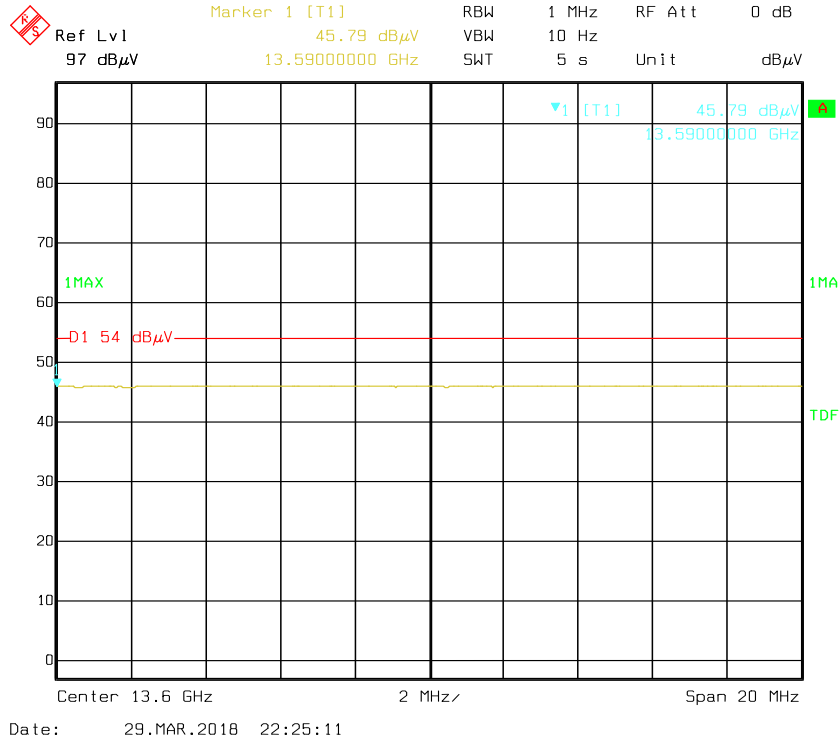
Vertical

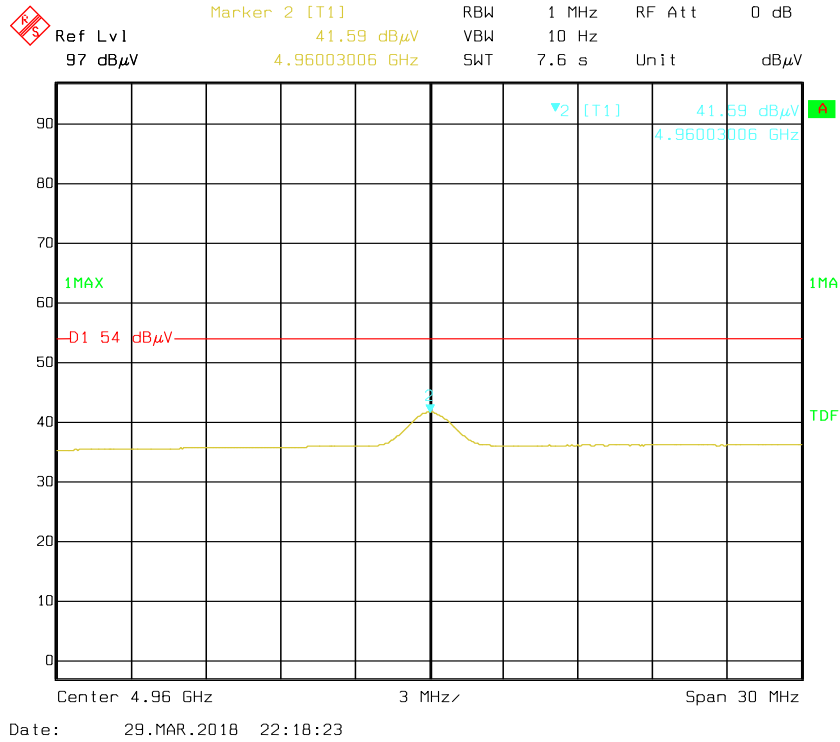


Vertical

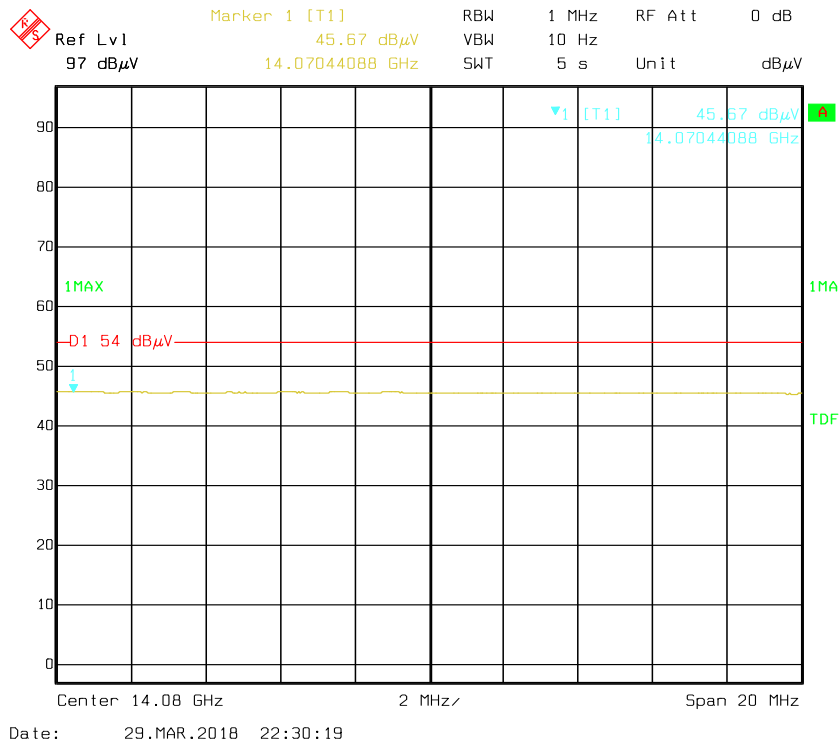


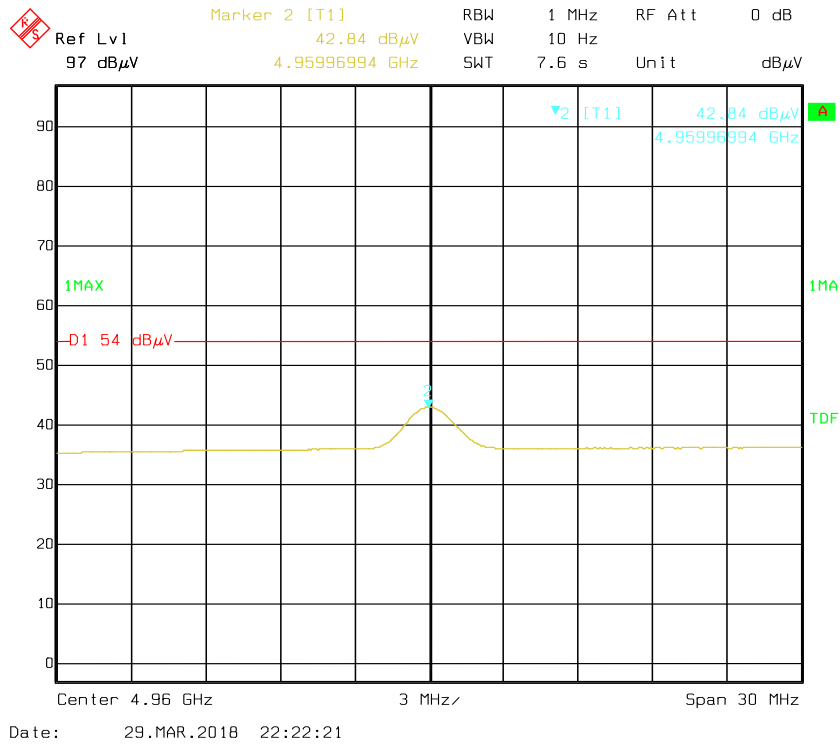
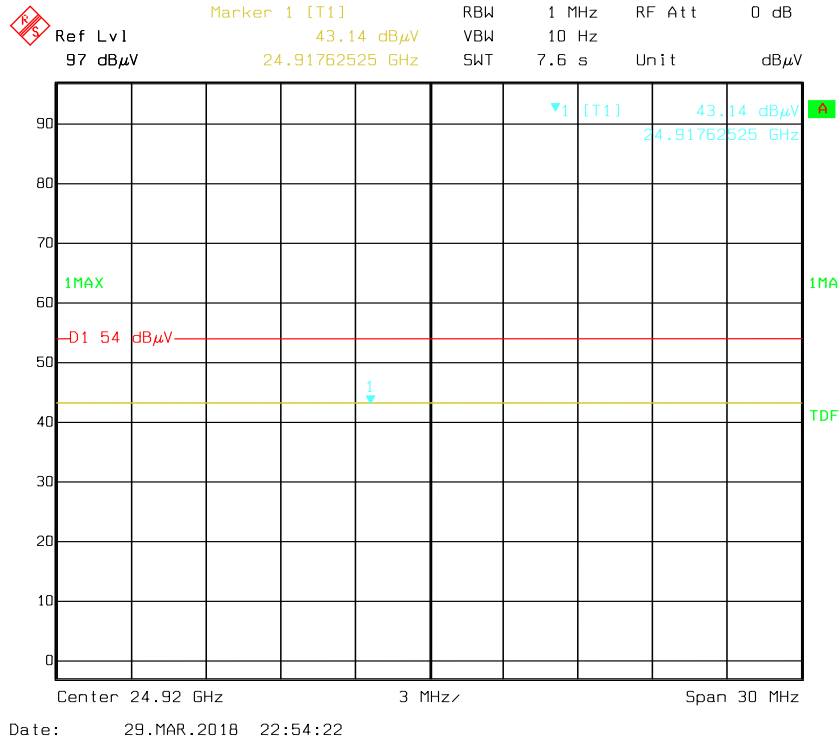
Pre-scan for Average Horizontal





Vertical





FCC §15.247(a) (1)-CHANNEL SEPARATION TEST**Applicable Standard**

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

Test Procedure

1. Set the EUT in transmitting mode, maxhold the channel.
2. Set the adjacent channel of the EUT and maxhold another trace.
3. Measure the channel separation.

Test Data**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

The testing was performed by Jacob Kong on 2018-03-15.

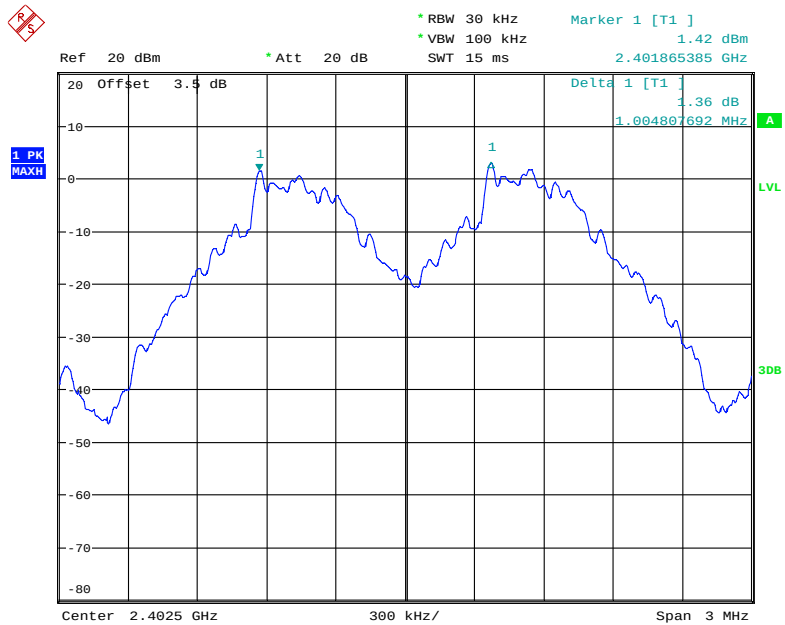
EUT operation mode: Transmitting

Test Result: Compliance. Please refer to following table and plots

Mode	Channel	Frequency (MHz)	Channel Separation (MHz)	$\geq$ Limit (MHz)	Result
BDR (GFSK)	Low	2402	1.005	0.624	Pass
	Adjacent	2403			
	Middle	2441	1.005	0.596	Pass
	Adjacent	2442			
	High	2480	1.005	0.596	Pass
	Adjacent	2479			
EDR ($\pi/4$-DQPSK)	Low	2402	1.005	0.846	Pass
	Adjacent	2403			
	Middle	2441	1.005	0.824	Pass
	Adjacent	2442			
	High	2480	1.005	0.824	Pass
	Adjacent	2479			
EDR (8DPSK)	Low	2402	1.005	0.824	Pass
	Adjacent	2403			
	Middle	2441	1.005	0.830	Pass
	Adjacent	2442			
	High	2480	1.005	0.833	Pass
	Adjacent	2479			

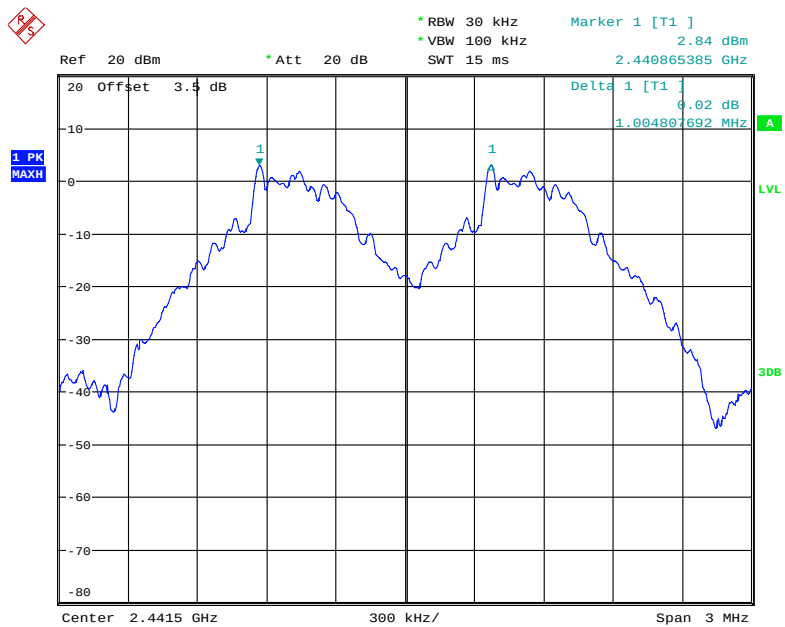
Note: Limit = 20 dB bandwidth *2/3

BDR (GFSK): Low Channel



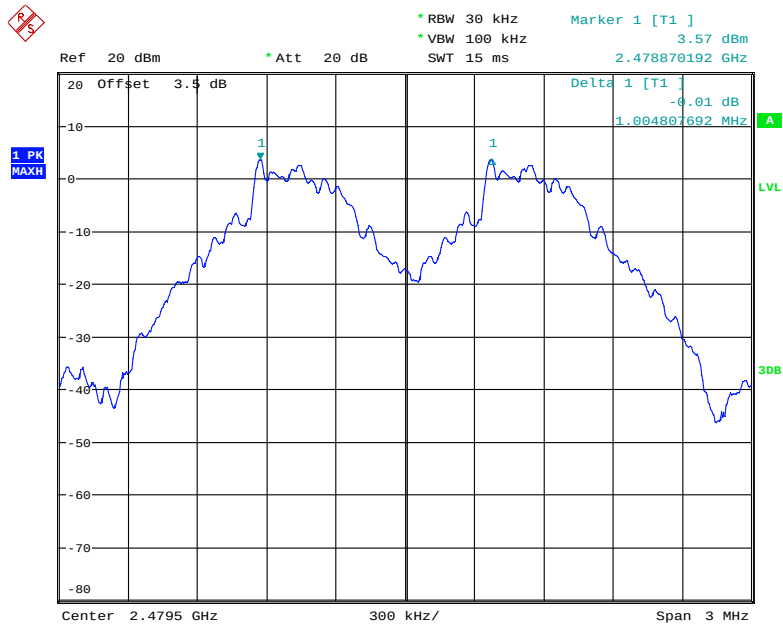
Date: 15.MAR.2018 21:24:44

BDR (GFSK): Middle Channel



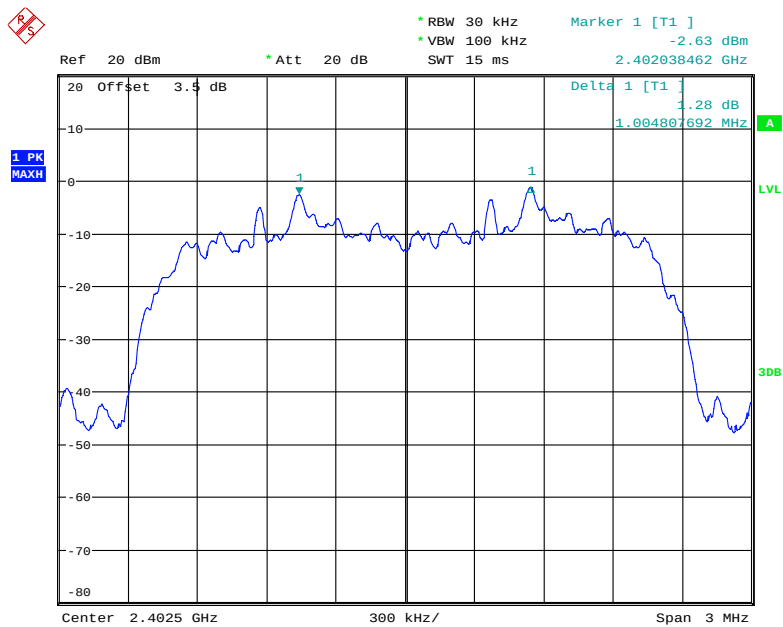
Date: 15.MAR.2018 21:25:32

BDR (GFSK): High Channel



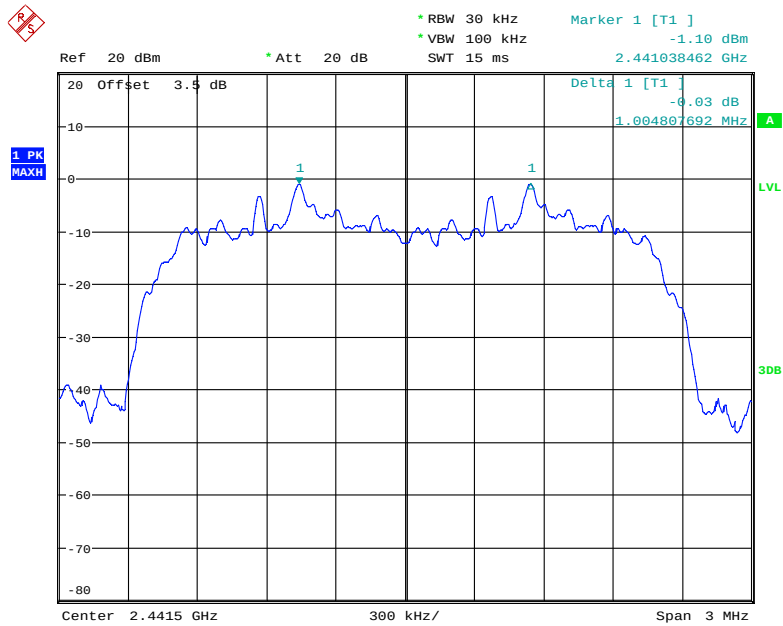
Date: 15.MAR.2018 21:26:11

EDR ($\pi/4$ -DQPSK): Low Channel



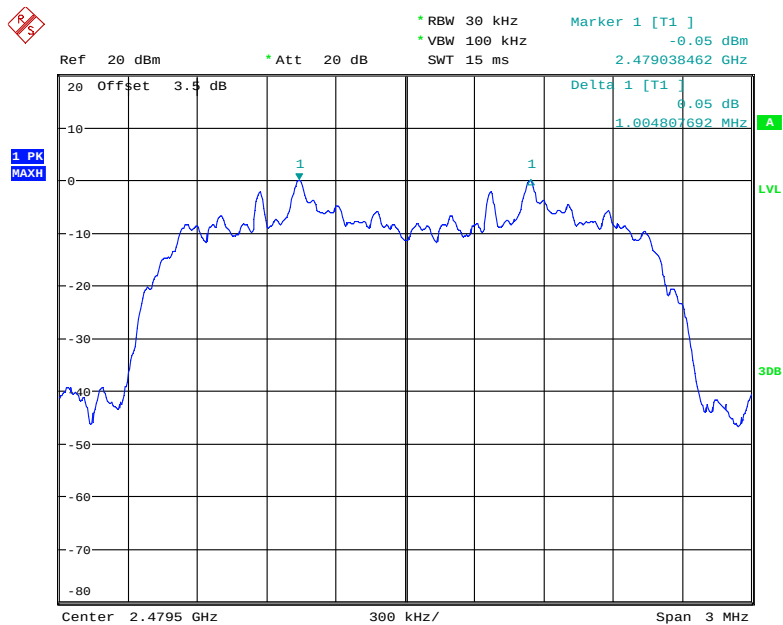
Date: 15.MAR.2018 21:23:30

EDR ($\pi/4$ -DQPSK): Middle Channel



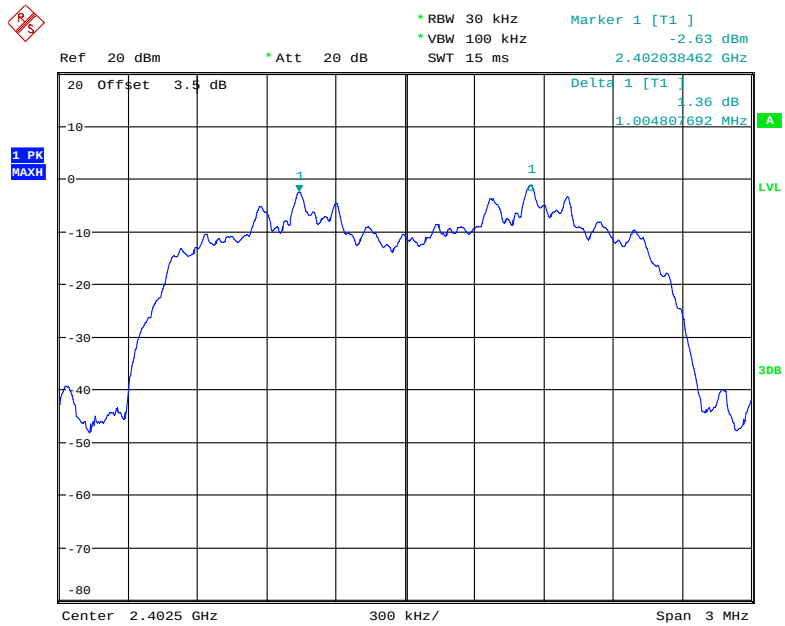
Date: 15.MAR.2018 21:22:56

EDR ($\pi/4$ -DQPSK): High Channel



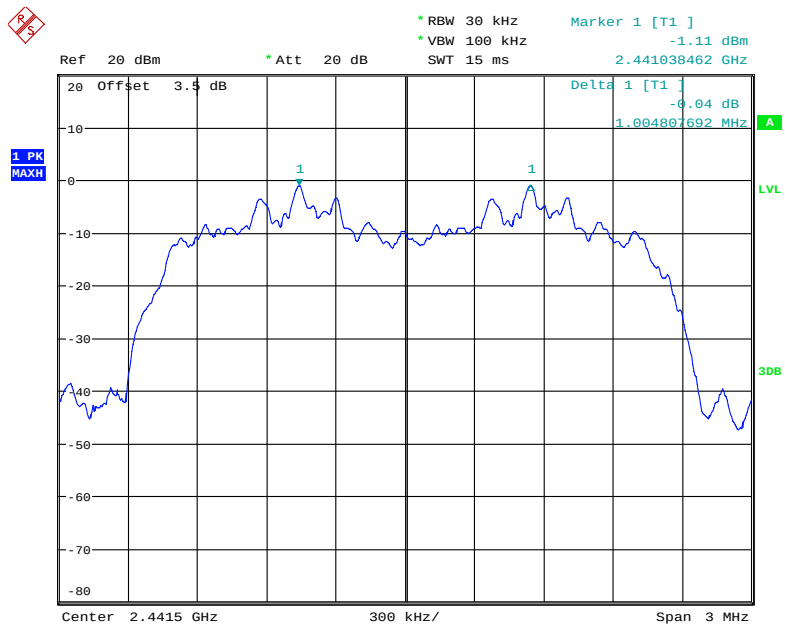
Date: 15.MAR.2018 21:22:02

EDR (8DPSK): Low Channel



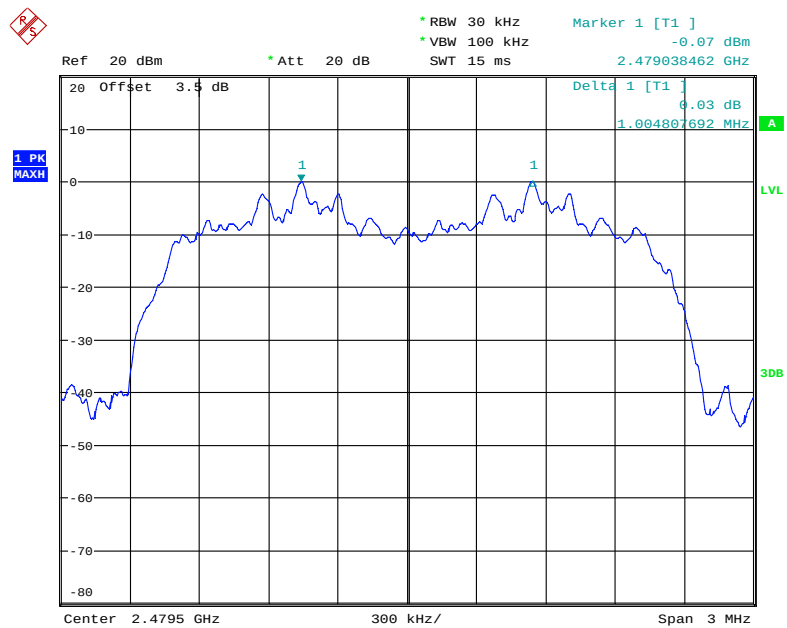
Date: 15.MAR.2018 21:19:25

EDR (8DPSK): Middle Channel



Date: 15.MAR.2018 21:20:16

EDR (8DPSK): High Channel



Date: 15.MAR.2018 21:21:07

FCC §15.247(a) (1) – 20 dB EMISSION BANDWIDTH**Applicable Standard**

Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.

Test Data**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

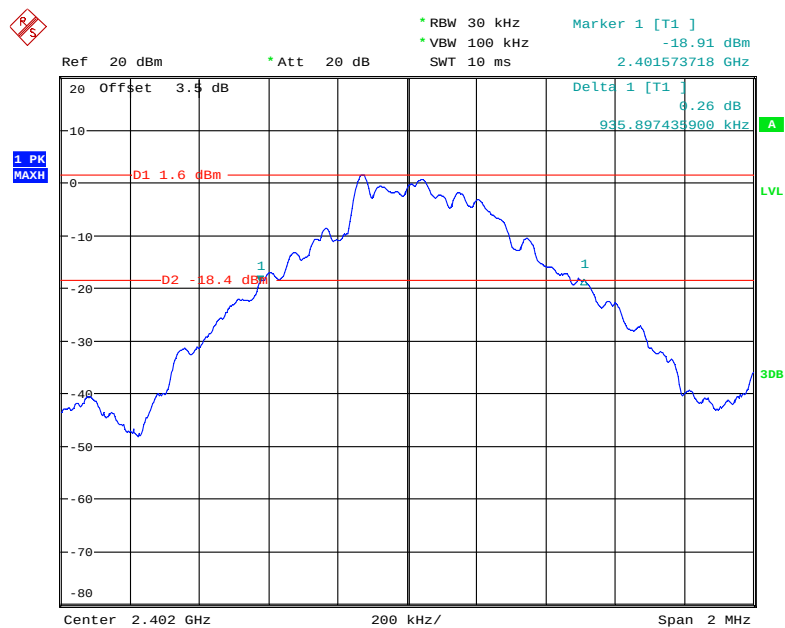
The testing was performed by Jacob Kong on 2018-03-15.

EUT operation mode: Transmitting

Test Result: Compliance. Please refer to following table and plots

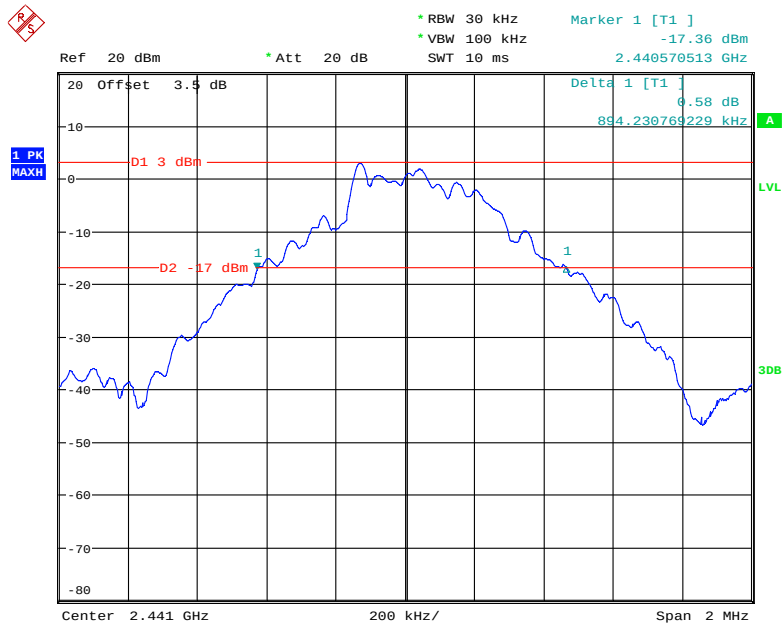
Mode	Channel	Frequency (MHz)	20 dB Emission Bandwidth (MHz)
BDR (GFSK)	Low	2402	0.936
	Middle	2441	0.894
	High	2480	0.894
EDR ($\pi/4$ -DQPSK)	Low	2402	1.269
	Middle	2441	1.236
	High	2480	1.236
EDR (8DPSK)	Low	2402	1.236
	Middle	2441	1.245
	High	2480	1.250

BDR (GFSK): Low Channel



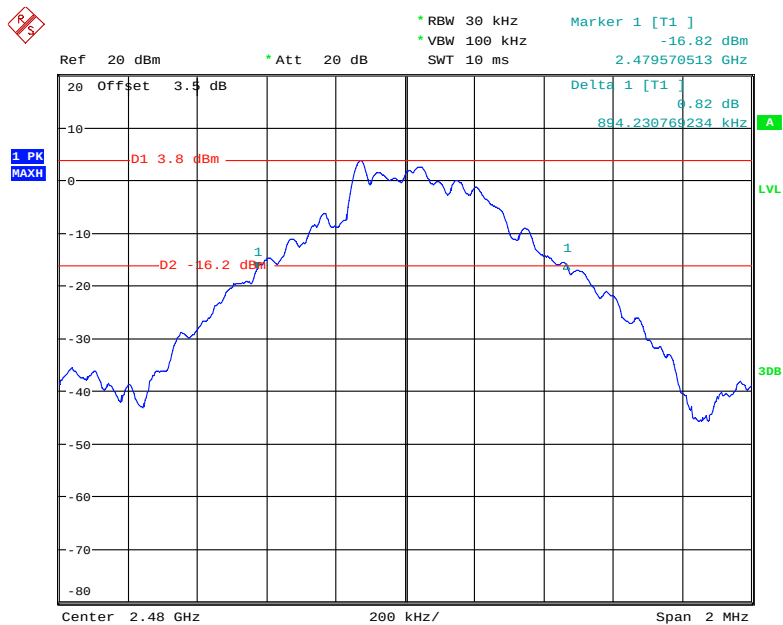
Date: 15.MAR.2018 21:13:15

BDR (GFSK): Middle Channel



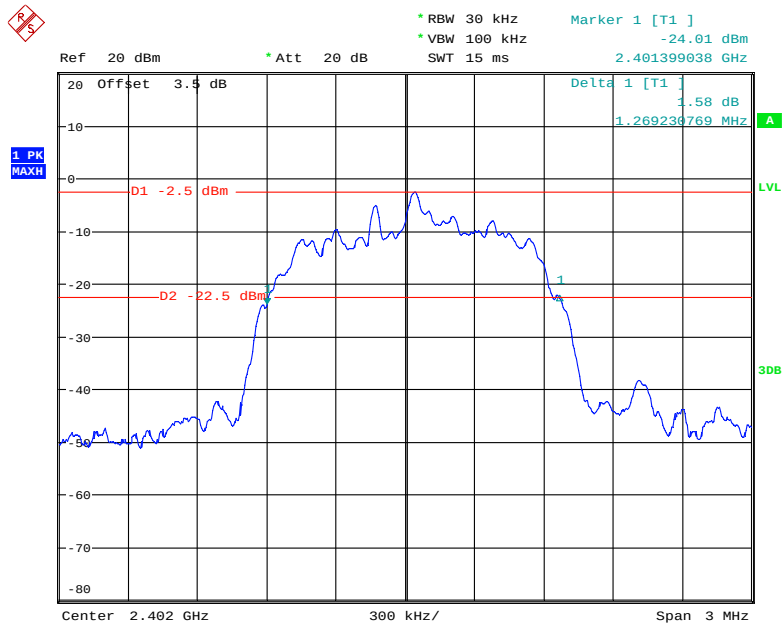
Date: 15.MAR.2018 21:14:12

BDR (GFSK): High Channel



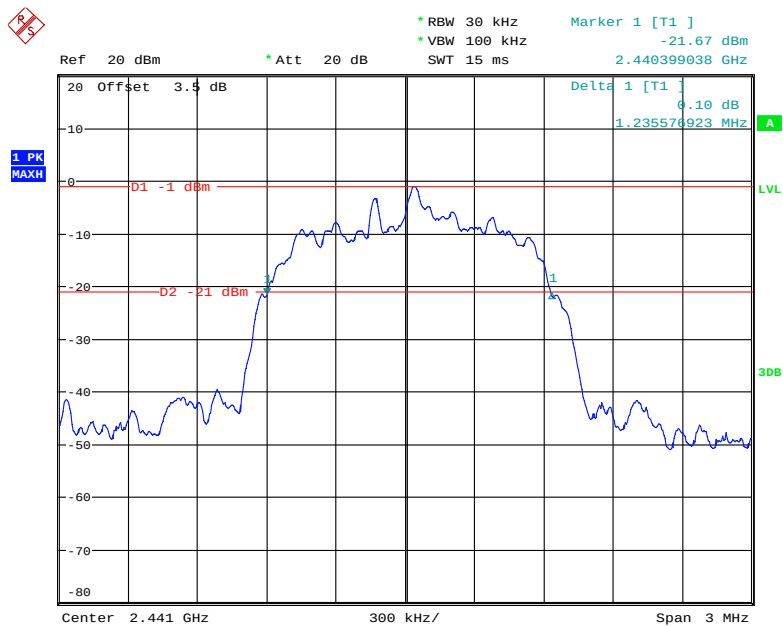
Date: 15.MAR.2018 21:14:45

EDR ($\pi/4$ -DQPSK): Low Channel



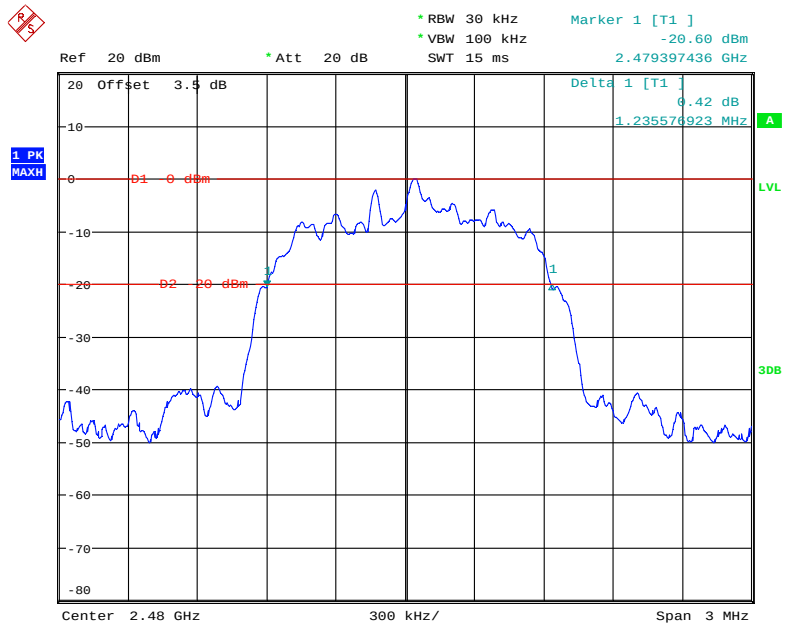
Date: 15.MAR.2018 21:16:47

EDR ($\pi/4$ -DQPSK): Middle Channel



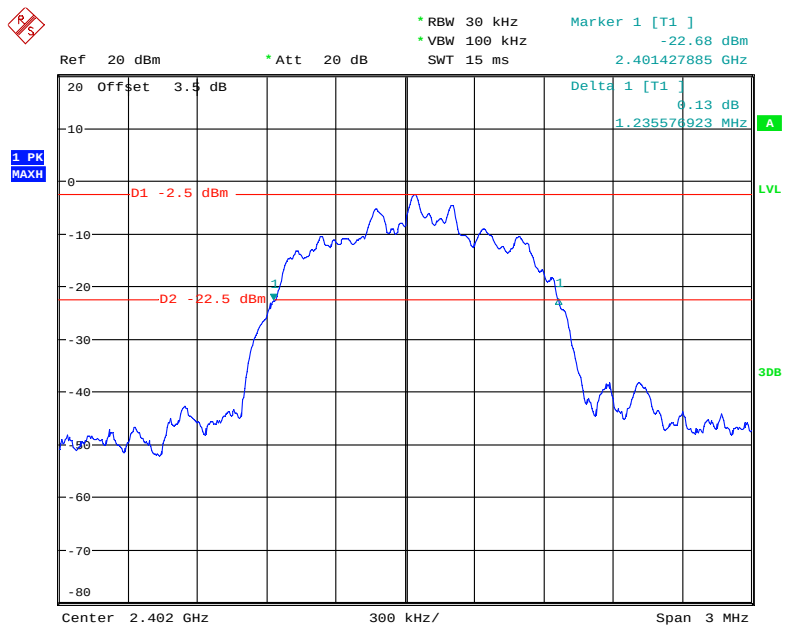
Date: 15.MAR.2018 21:16:11

EDR ($\pi/4$ -DQPSK): High Channel



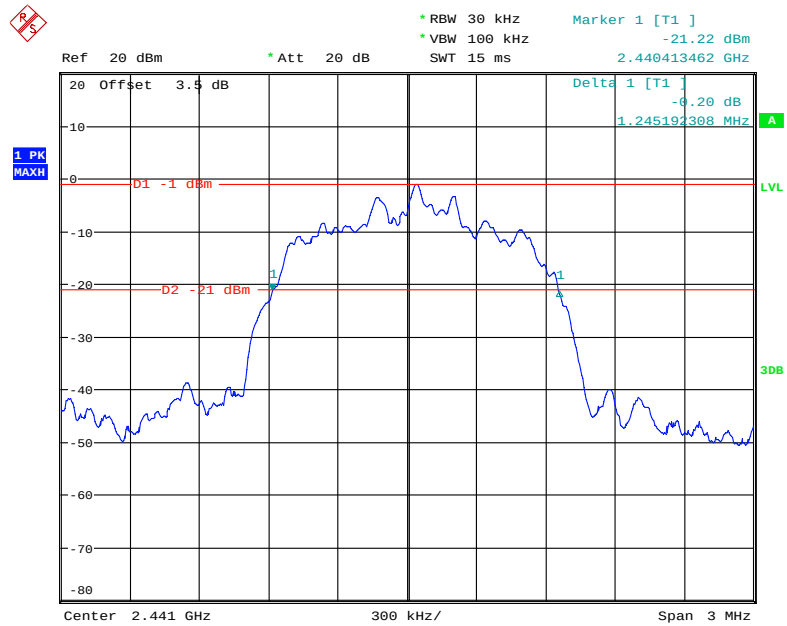
Date: 15.MAR.2018 21:15:34

EDR (8DPSK): Low Channel



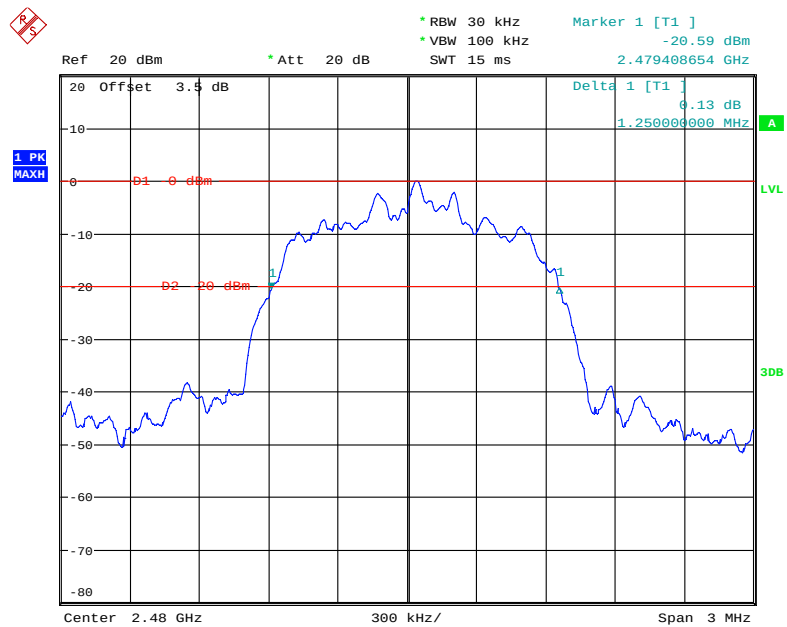
Date: 15.MAR.2018 21:17:32

EDR (8DPSK): Middle Channel



Date: 15.MAR.2018 21:18:07

EDR (8DPSK): High Channel



Date: 15.MAR.2018 21:18:43

FCC §15.247(a) (1) (iii)-QUANTITY OF HOPPING CHANNEL TEST

Applicable Standard

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Procedure

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
2. Set the EUT in hopping mode from first channel to last.
3. By using the max-hold function record the quantity of the channel.

Test Data

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

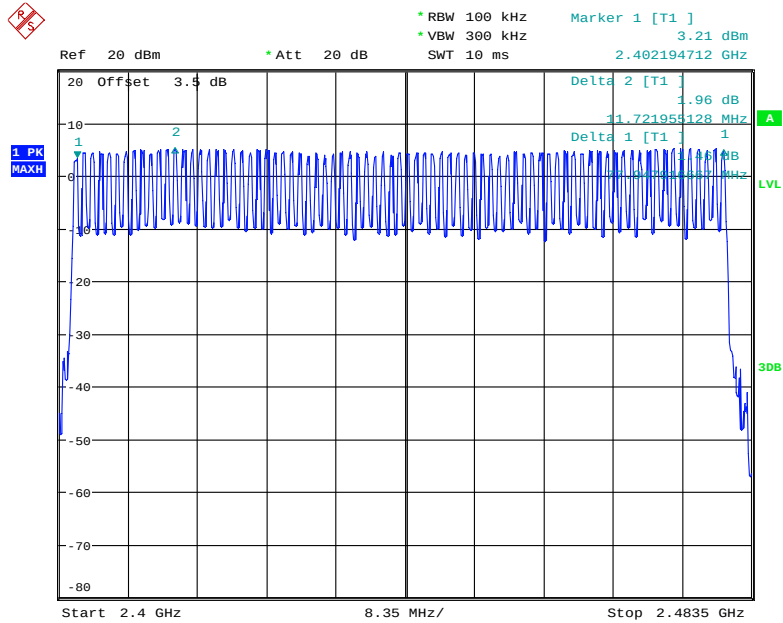
The testing was performed by Jacob Kong on 2018-03-15.

EUT operation mode: Transmitting

Test Result: Compliance. Please refer to following table and plots

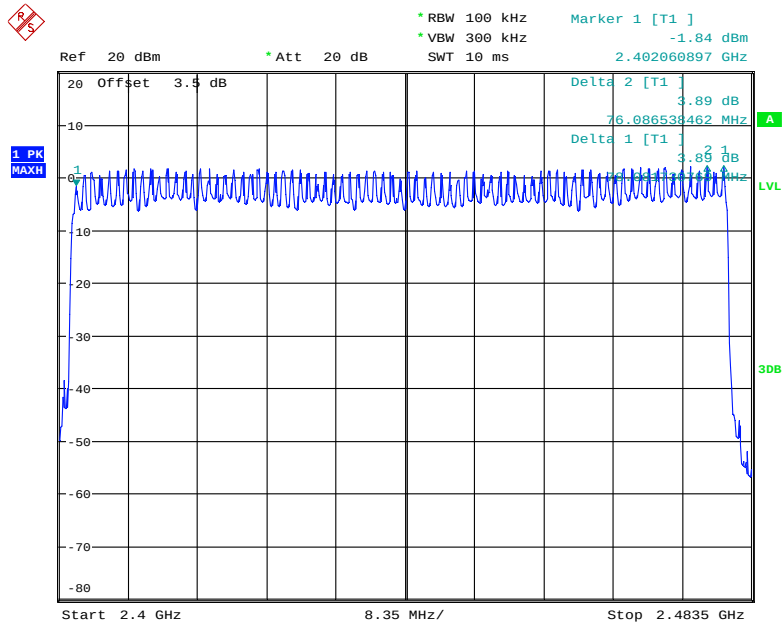
Mode	Frequency Range (MHz)	Number of Hopping Channel (CH)	Limit (CH)
BDR (GFSK)	2400-2483.5	79	≥ 15
EDR ($\pi/4$ -DQPSK)	2400-2483.5	79	≥ 15
EDR (8DPSK)	2400-2483.5	79	≥ 15

BDR (GFSK): Number of Hopping Channels



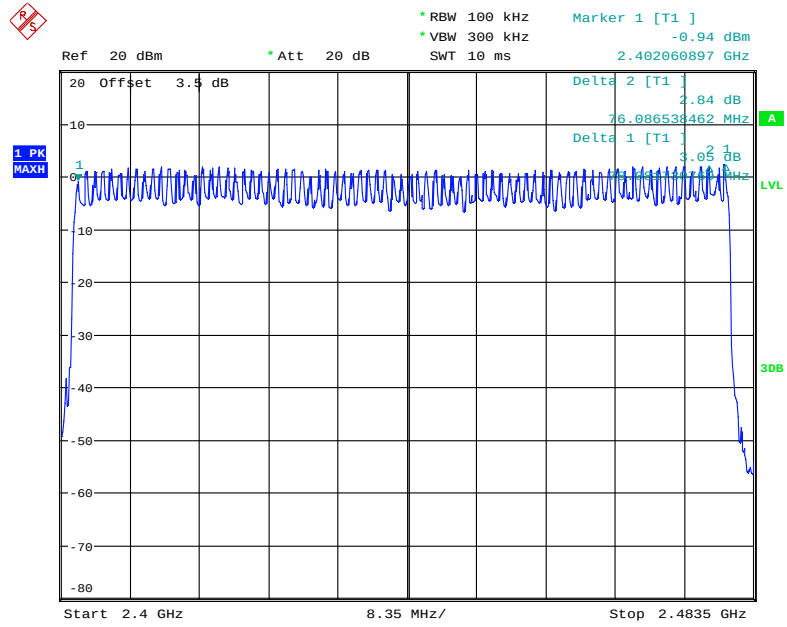
Date: 15.MAR.2018 22:02:51

EDR ($\pi/4$ -DQPSK): Number of Hopping Channels



Date: 15.MAR.2018 21:56:59

EDR (8DPSK): Number of Hopping Channels



Date: 15.MAR.2018 21:52:47

FCC §15.247(a) (1) (iii) - TIME OF OCCUPANCY (DWELL TIME)**Applicable Standard**

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Procedure

1. The EUT was worked in channel hopping.
2. Set the RBW to: 1MHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Set the span to 0Hz.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Recorded the time of single pulses

Test Data**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

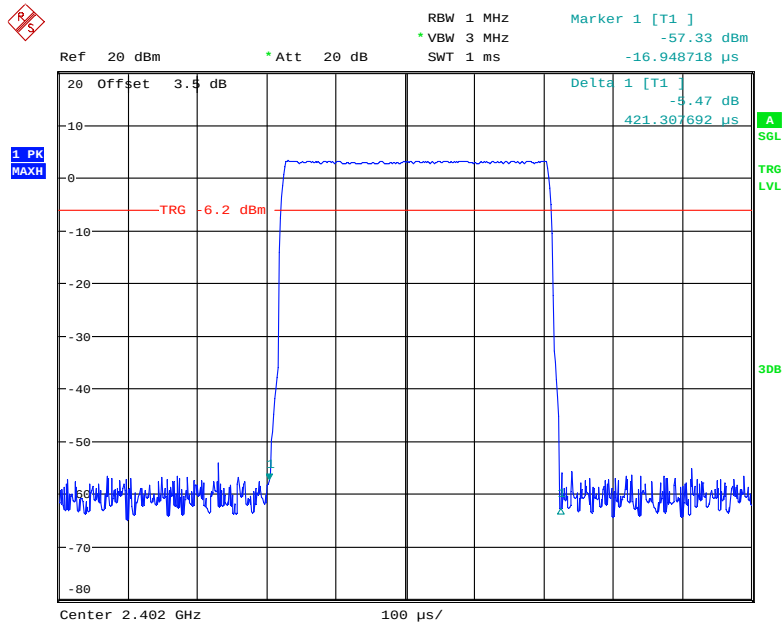
The testing was performed by Jacob Kong on 2018-03-15.

EUT operation mode: Transmitting

Test Result: Compliance. Please refer to following table and plots

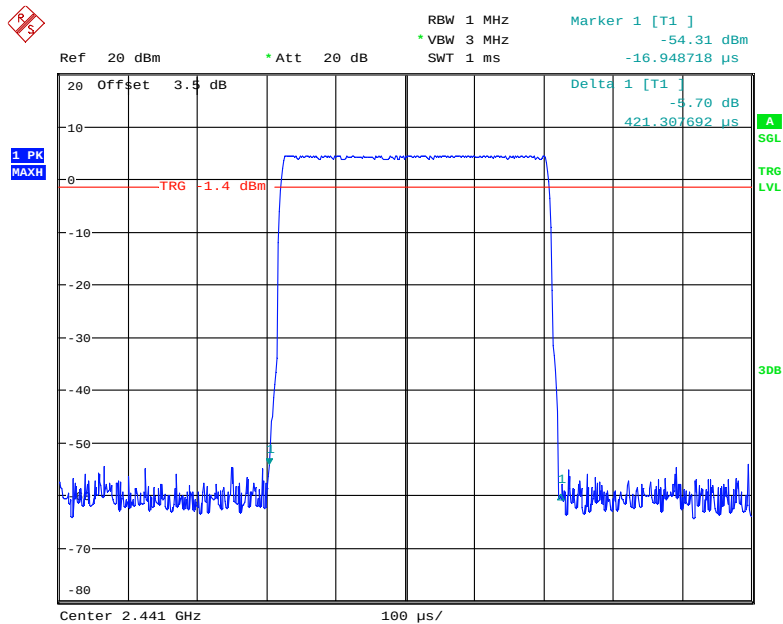
Mode		Channel	Pulse Width (ms)	Dwell Time (S)	Limit (S)	Result
BDR (GFSK)	DH 1	Low	0.421	0.135	0.4	Pass
		Middle	0.421	0.135	0.4	Pass
		High	0.421	0.135	0.4	Pass
		Note: DH1:Dwell time = Pulse time*(1600/2/79)*31.6S				
	DH 3	Low	1.684	0.269	0.4	Pass
		Middle	1.684	0.269	0.4	Pass
		High	1.684	0.269	0.4	Pass
		Note: DH3:Dwell time = Pulse time*(1600/4/79)*31.6S				
	DH 5	Low	2.944	0.314	0.4	Pass
		Middle	2.944	0.314	0.4	Pass
		High	2.944	0.314	0.4	Pass
		Note: DH5:Dwell time = Pulse time*(1600/6/79)*31.6S				
EDR ($\pi/4$ -DQPSK)	2DH 1	Low	0.434	0.139	0.4	Pass
		Middle	0.434	0.139	0.4	Pass
		High	0.434	0.139	0.4	Pass
		Note: 2DH1:Dwell time = Pulse time*(1600/2/79)*31.6S				
	2DH 3	Low	1.694	0.271	0.4	Pass
		Middle	1.694	0.271	0.4	Pass
		High	1.694	0.271	0.4	Pass
		Note: 2DH3:Dwell time = Pulse time*(1600/4/79)*31.6S				
	2DH 5	Low	2.952	0.315	0.4	Pass
		Middle	2.952	0.315	0.4	Pass
		High	2.952	0.315	0.4	Pass
		Note: 2DH5:Dwell time = Pulse time*(1600/6/79)*31.6S				
EDR (8DPSK)	3DH 1	Low	0.434	0.139	0.4	Pass
		Middle	0.434	0.139	0.4	Pass
		High	0.434	0.139	0.4	Pass
		Note: 3DH1:Dwell time = Pulse time*(1600/2/79)*31.6S				
	3DH 3	Low	1.694	0.271	0.4	Pass
		Middle	1.694	0.271	0.4	Pass
		High	1.694	0.271	0.4	Pass
		Note: 3DH3:Dwell time = Pulse time*(1600/4/79)*31.6S				
	3DH 5	Low	2.952	0.315	0.4	Pass
		Middle	2.952	0.315	0.4	Pass
		High	2.952	0.315	0.4	Pass
		Note: 3DH5:Dwell time = Pulse time*(1600/6/79)*31.6S				

BDR (GFSK): Pulse time, Low Channel, DH1



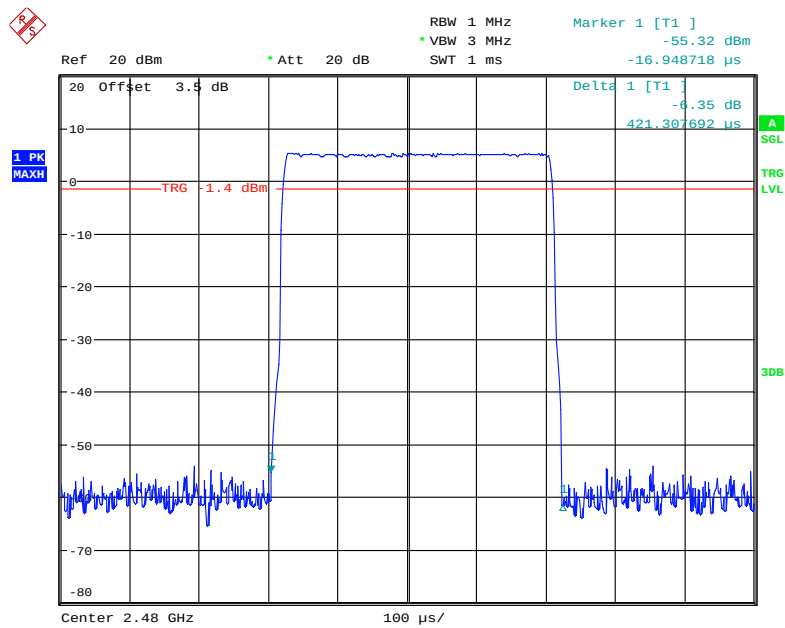
Date: 15.MAR.2018 23:37:30

Pulse time, Middle Channel, DH1



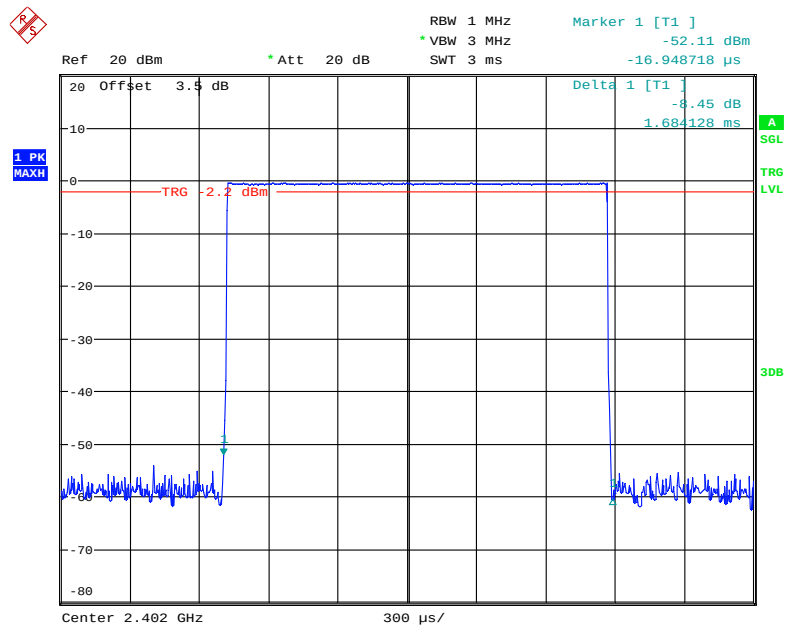
Date: 15.MAR.2018 23:38:11

Pulse time, High Channel, DH1



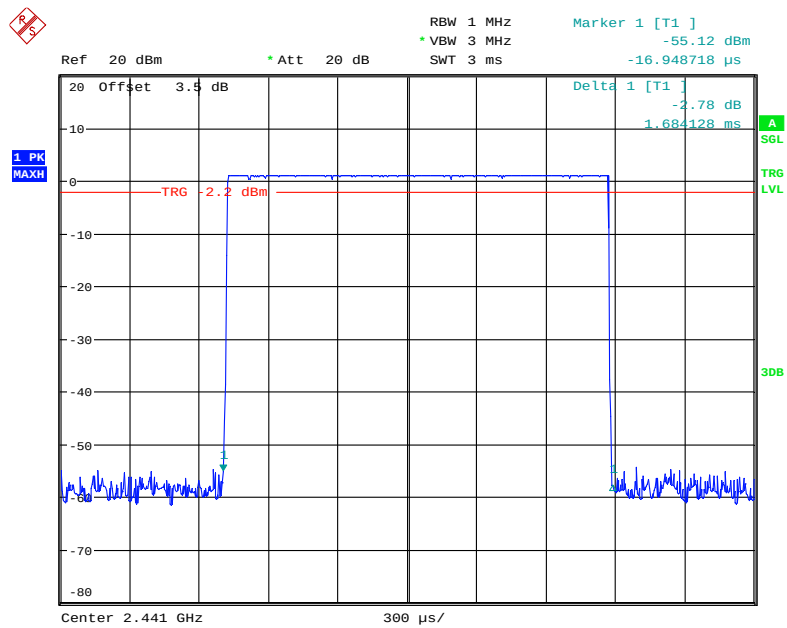
Date: 15.MAR.2018 23:38:19

Pulse time, Low Channel, DH3



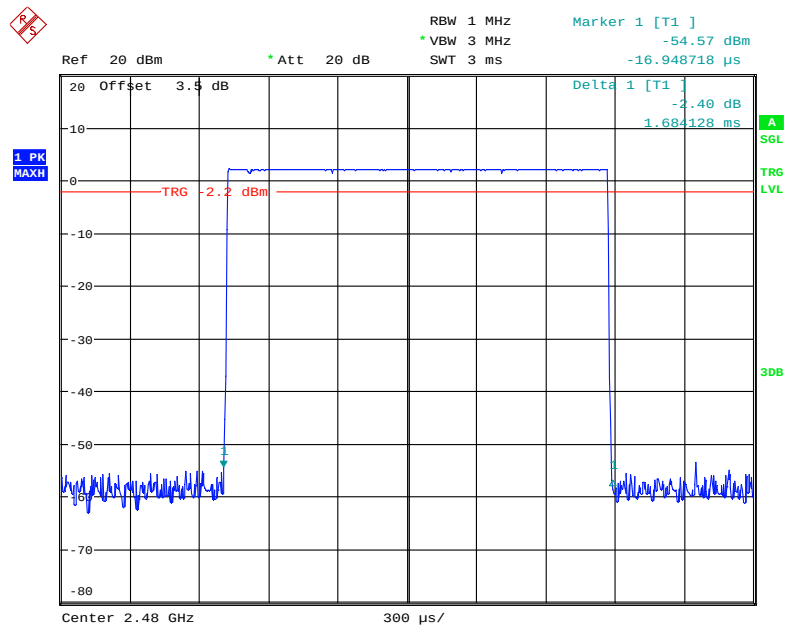
Date: 15.MAR.2018 23:42:41

Pulse time, Middle Channel, DH3



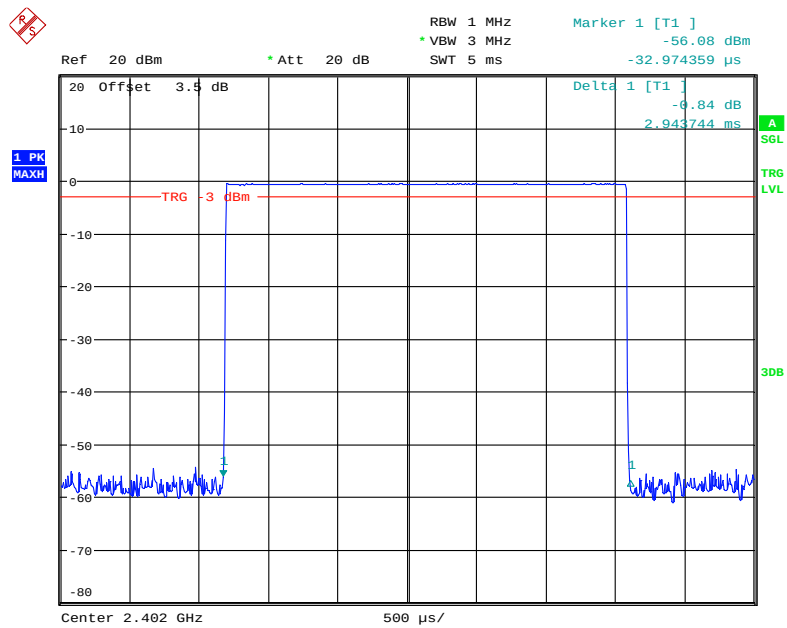
Date: 15.MAR.2018 23:42:33

Pulse time, High Channel, DH3



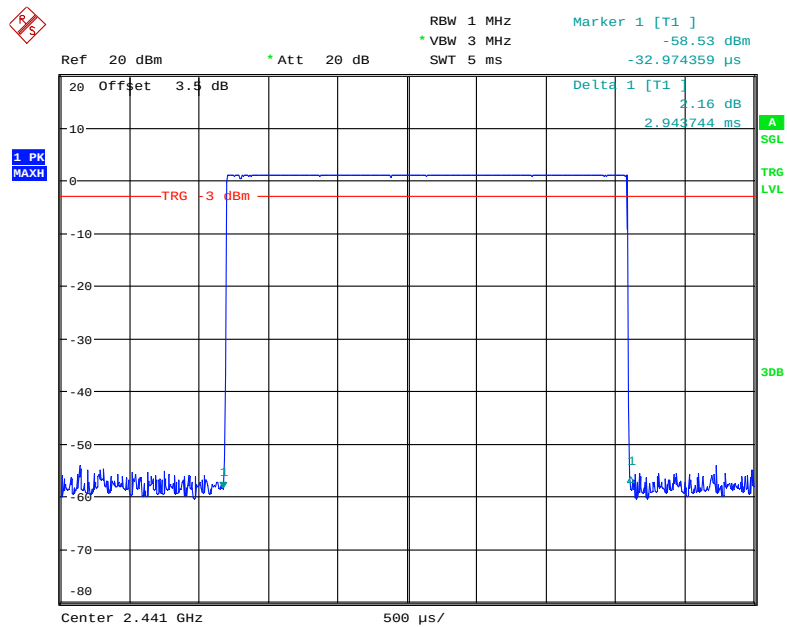
Date: 15.MAR.2018 23:42:01

Pulse time, Low Channel, DH5



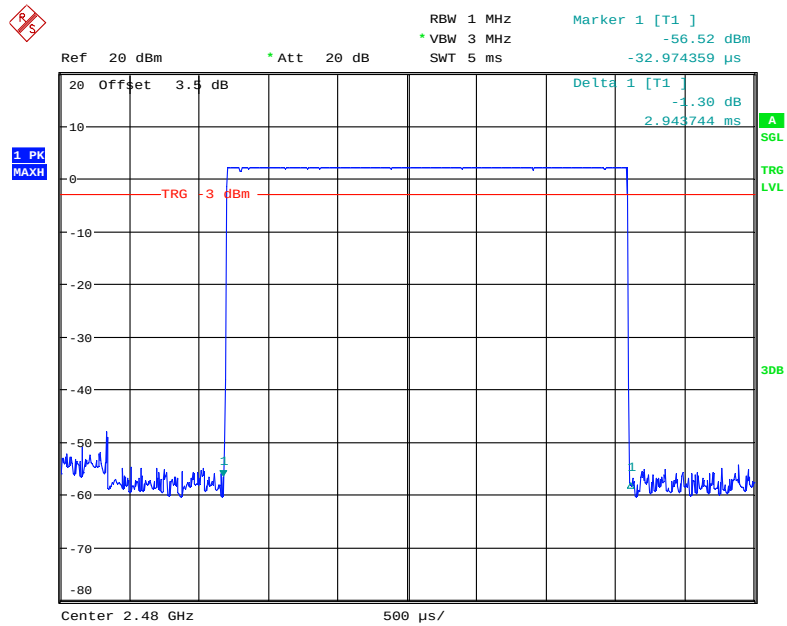
Date: 15.MAR.2018 23:46:00

Pulse time, Middle Channel, DH5



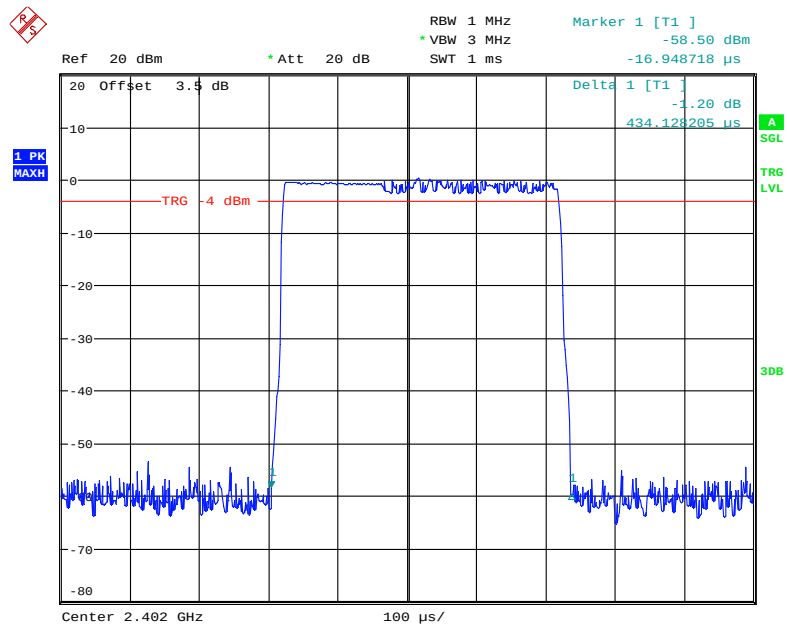
Date: 15.MAR.2018 23:46:16

Pulse time, High Channel, DH5



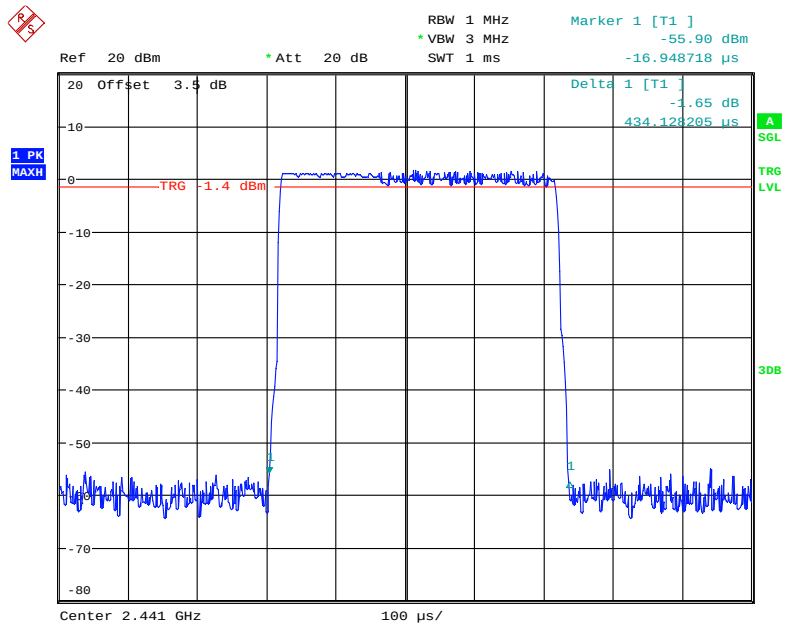
Date: 15.MAR.2018 23:46:24

EDR ($\pi/4$ -DQPSK): Pulse time, Low Channel, 2DH1



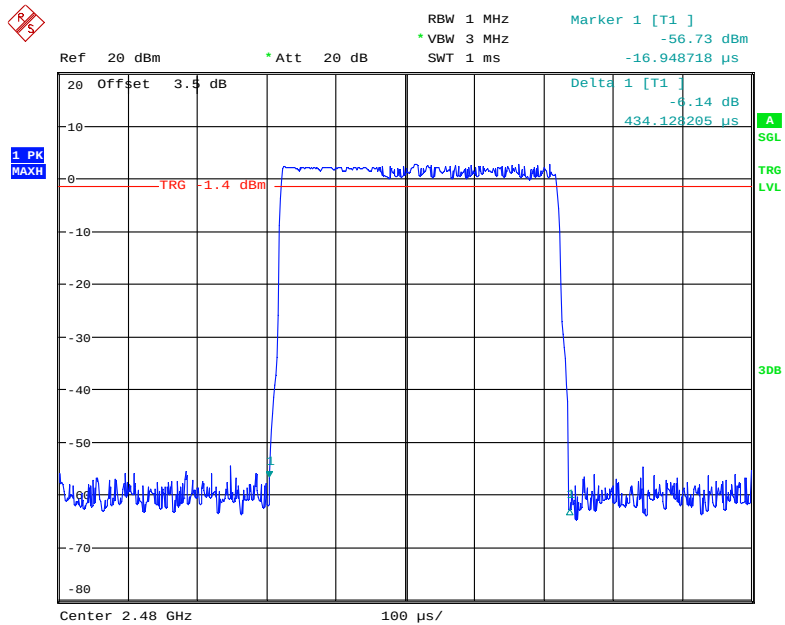
Date: 15.MAR.2018 23:39:25

Pulse time, Middle Channel, 2DH1



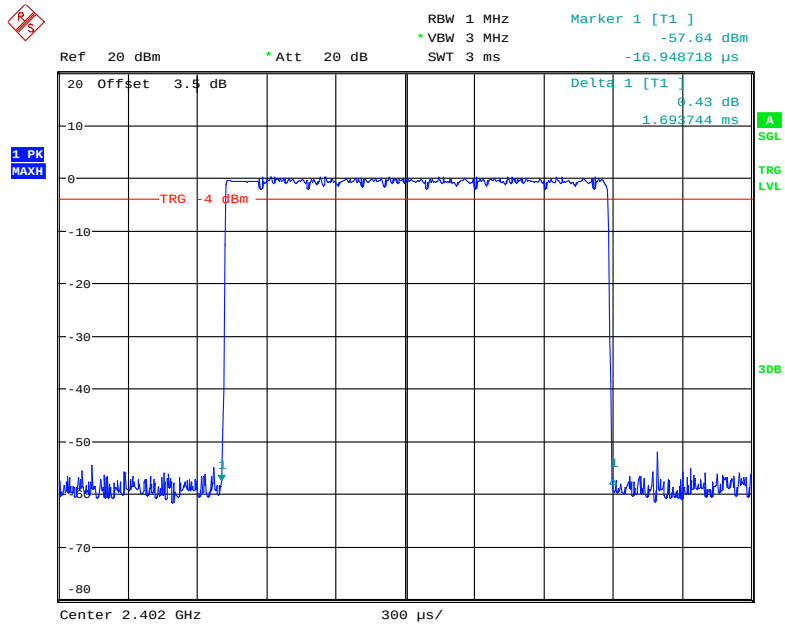
Date: 15.MAR.2018 23:39:07

Pulse time, High Channel, 2DH1



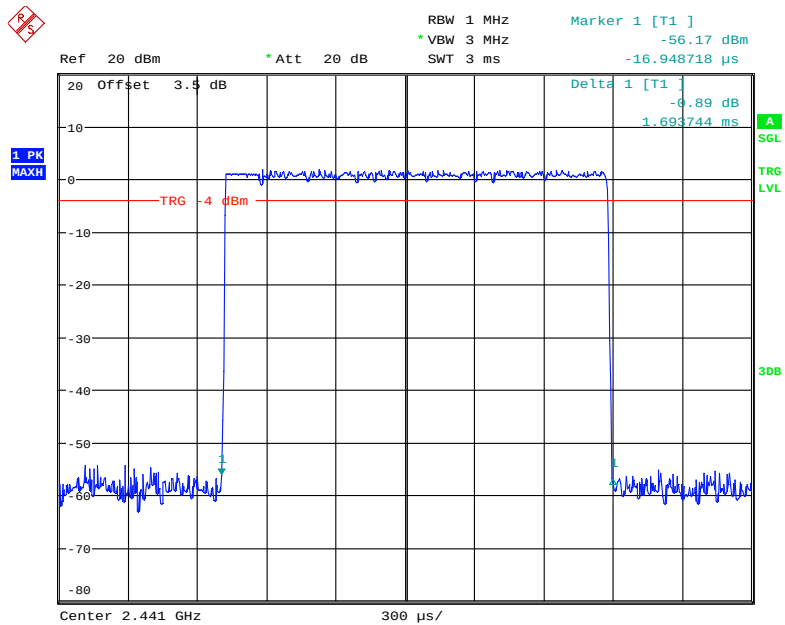
Date: 15.MAR.2018 23:38:56

Pulse time, Low Channel, 2DH3



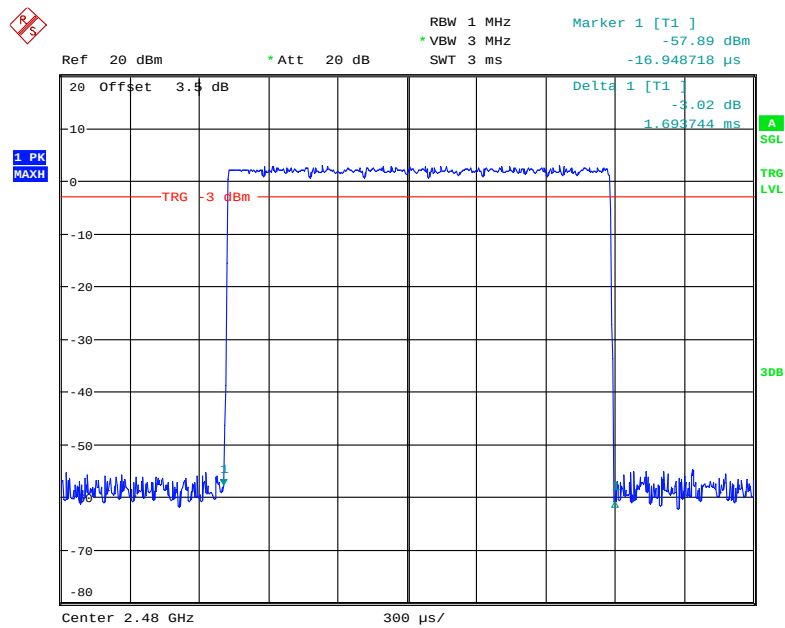
Date: 15.MAR.2018 23:43:22

Pulse time, Middle Channel, 2DH3



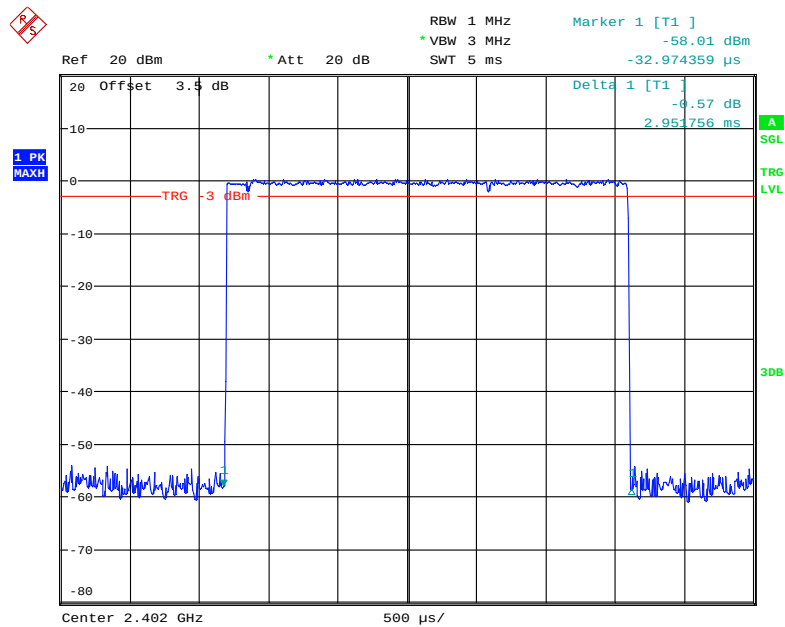
Date: 15.MAR.2018 23:44:07

Pulse time, High Channel, 2DH3



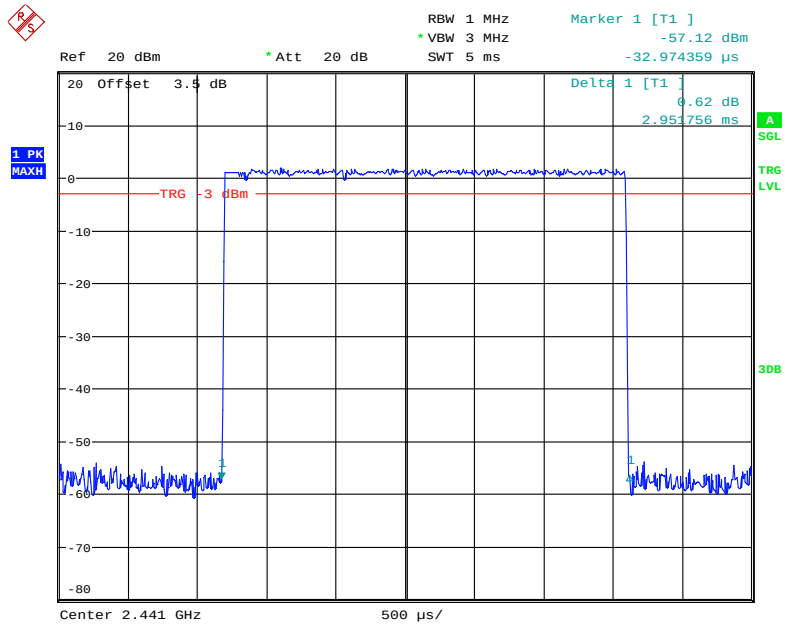
Date: 15.MAR.2018 23:44:19

Pulse time, Low Channel, 2DH5



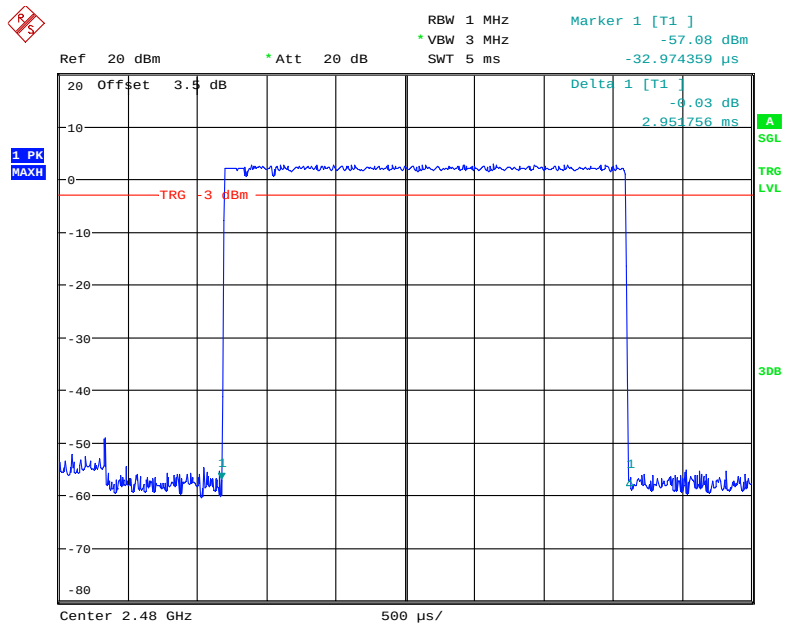
Date: 15.MAR.2018 23:47:11

Pulse time, Middle Channel, 2DH5



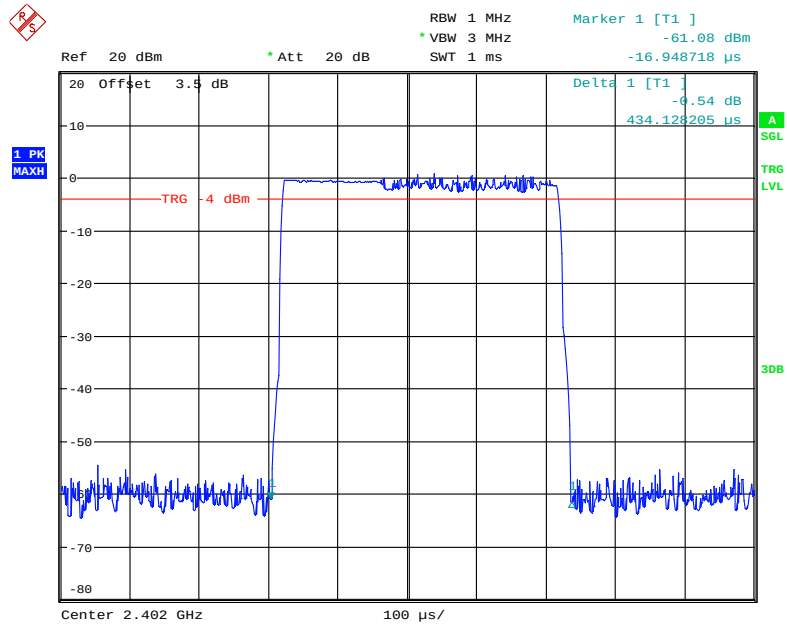
Date: 15.MAR.2018 23:47:05

Pulse time, High Channel, 2DH5



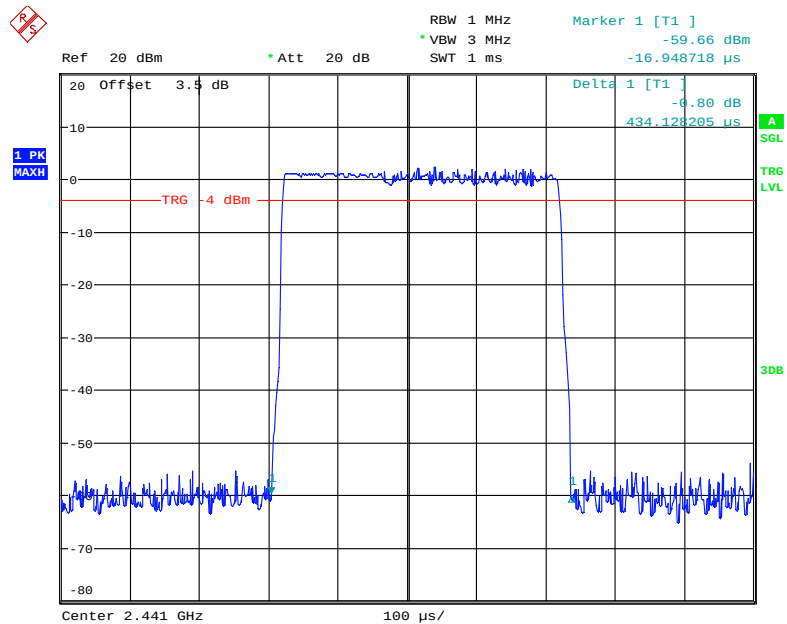
Date: 15.MAR.2018 23:46:56

EDR (8DPSK): Pulse time, Low Channel, 3DH1



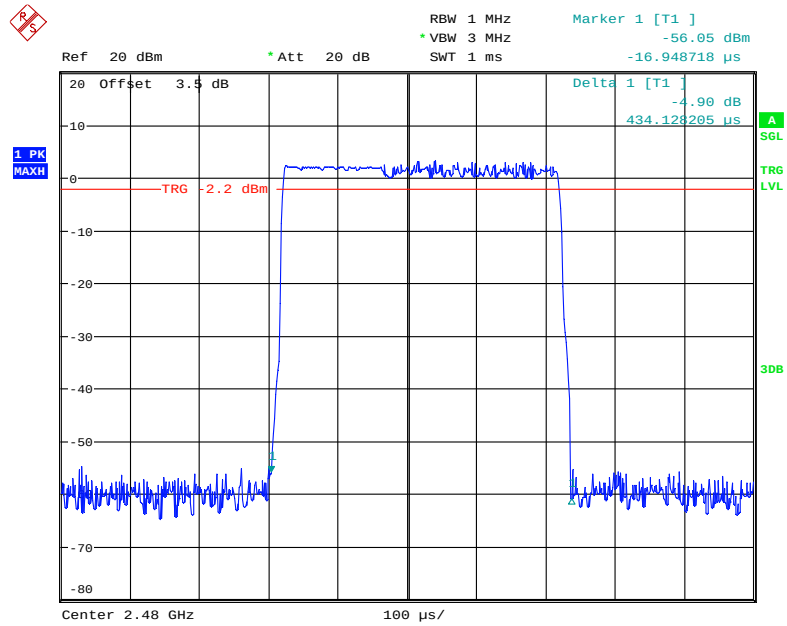
Date: 15.MAR.2018 23:39:45

Pulse time, Middle Channel, 3DH1



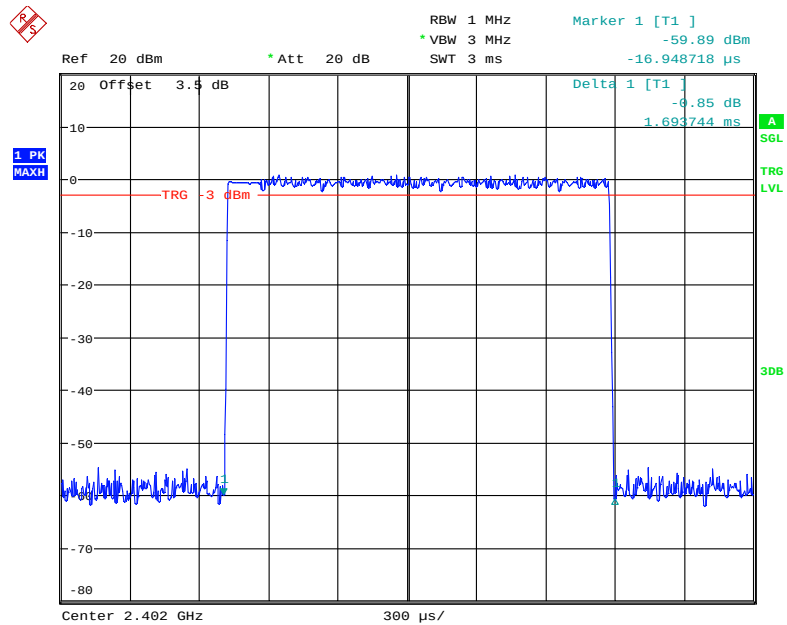
Date: 15.MAR.2018 23:40:54

Pulse time, High Channel, 3DH1



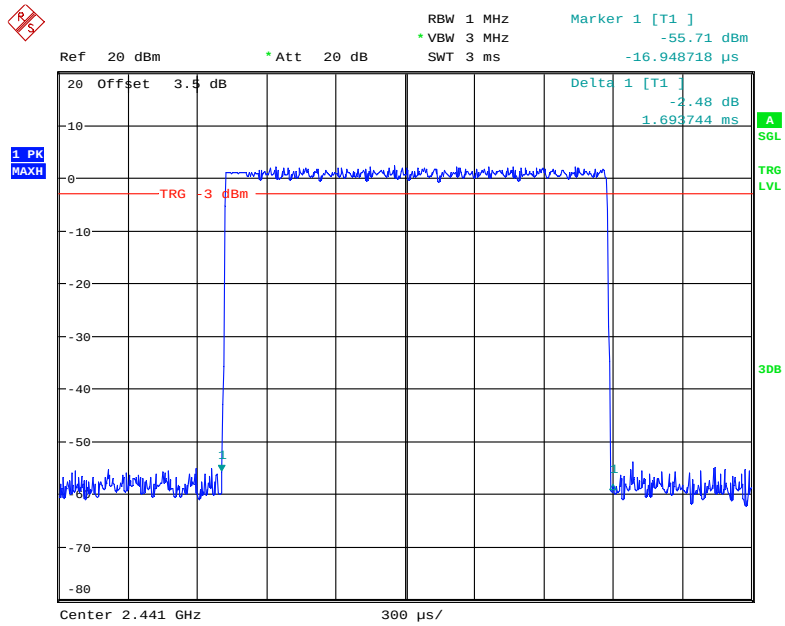
Date: 15.MAR.2018 23:41:07

Pulse time, Low Channel, 3DH3



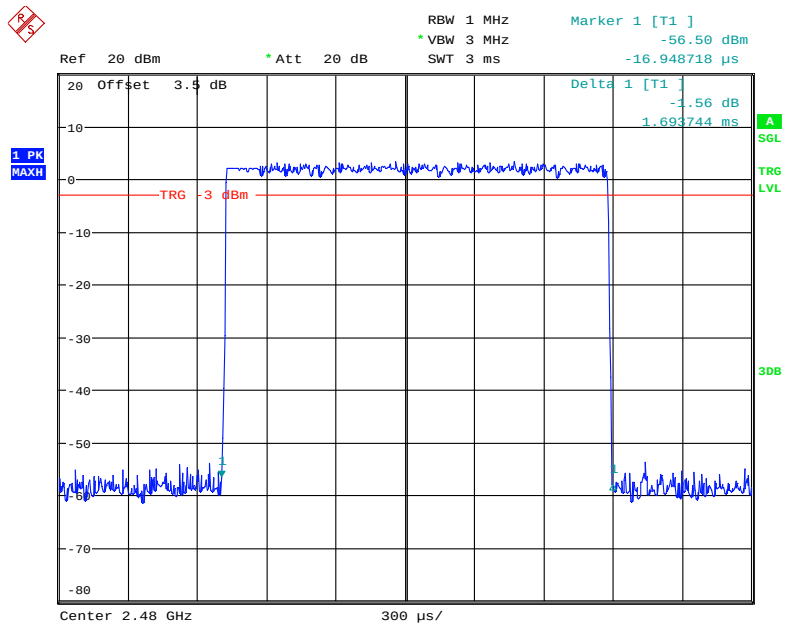
Date: 15.MAR.2018 23:45:09

Pulse time, Middle Channel, 3DH3



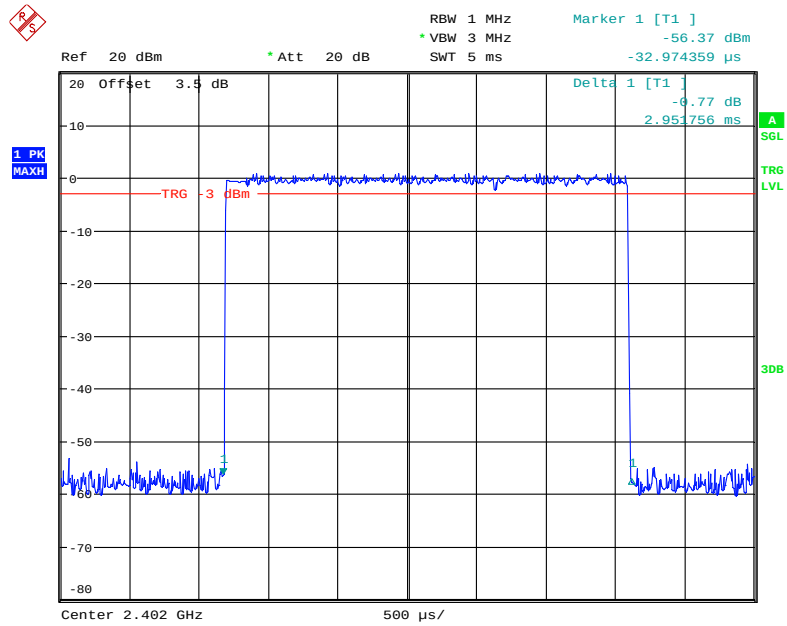
Date: 15.MAR.2018 23:44:59

Pulse time, High Channel, 3DH3



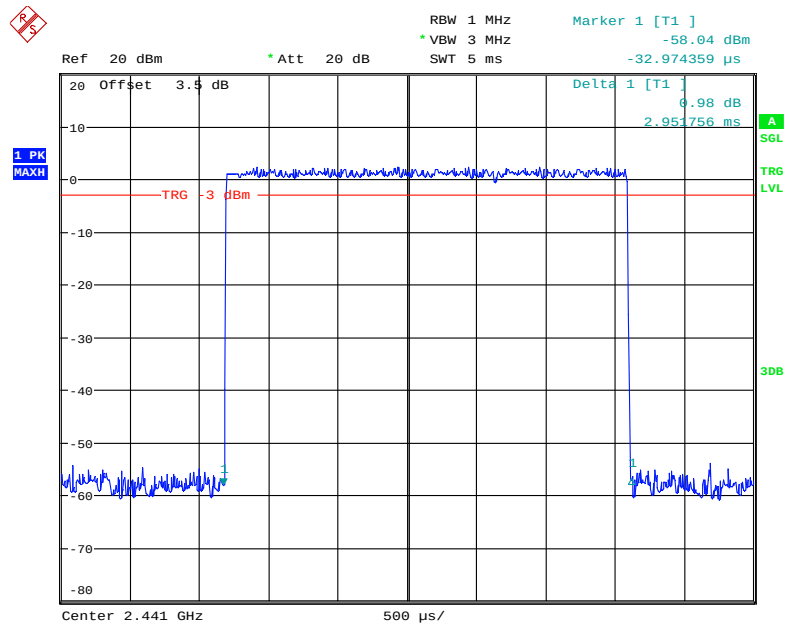
Date: 15.MAR.2018 23:44:46

Pulse time, Low Channel, 3DH5



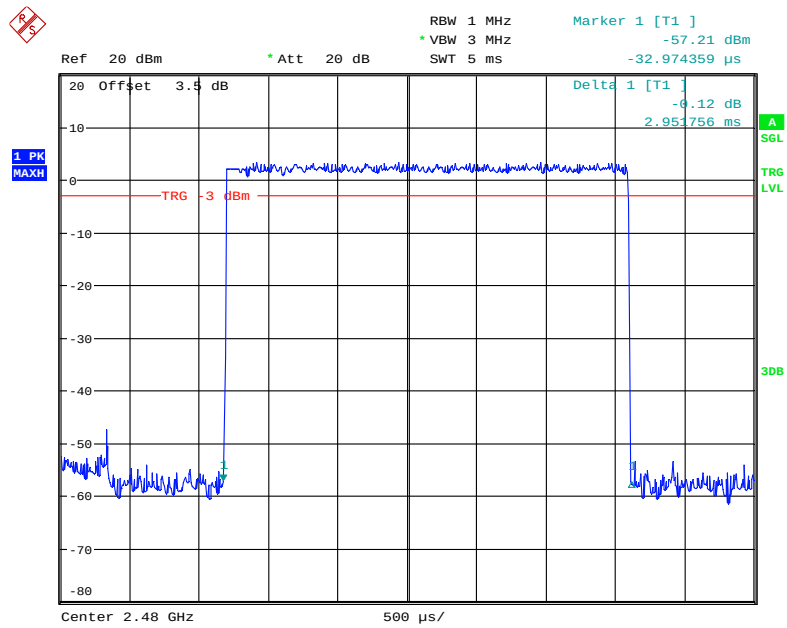
Date: 15.MAR.2018 23:47:28

Pulse time, Middle Channel, 3DH5



Date: 15.MAR.2018 23:48:03

Pulse time, High Channel, 3DH5



Date: 15.MAR.2018 23:48:12

FCC §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT

Applicable Standard

According to §15.247(b) (1), for frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. And for all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts.

Test Procedure

1. Place the EUT on a bench and set in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.
3. Add a correction factor to the display.

Test Data

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

The testing was performed by Jacob Kong on 2018-03-15.

EUT operation mode: Transmitting

Test Result: Compliance. Please refer to following table.

Mode	Channel	Frequency (MHz)	Peak Output Power		Limit (mW)
			(dBm)	(mW)	
BDR (GFSK)	Low	2402	3.40	2.188	125
	Middle	2441	4.53	2.838	125
	High	2480	5.31	3.396	125
EDR ($\pi/4$-DQPSK)	Low	2402	0.87	1.222	125
	Middle	2441	2.24	1.675	125
	High	2480	3.34	2.158	125
EDR (8DPSK)	Low	2402	1.56	1.432	125
	Middle	2441	2.83	1.919	125
	High	2480	3.91	2.460	125

FCC §15.247(d) - BAND EDGES TESTING

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to a EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

Test Data

Environmental Conditions

Temperature:	25~26 °C
Relative Humidity:	55~56 %
ATM Pressure:	101.0~101. kPa

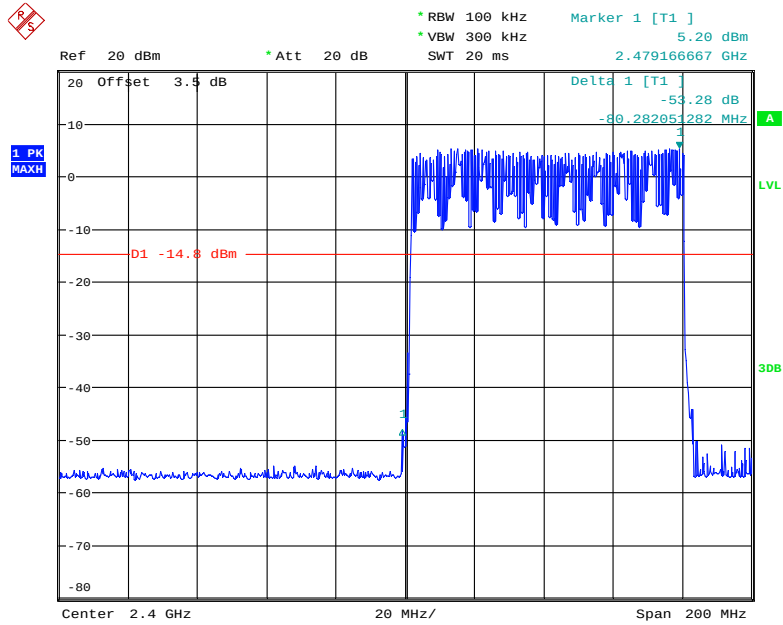
The testing was performed by Jacob Kong on 2018-03-15 and 2018-04-08.

EUT operation mode: Transmitting

Test Result: Compliance. Please refer to following plots.

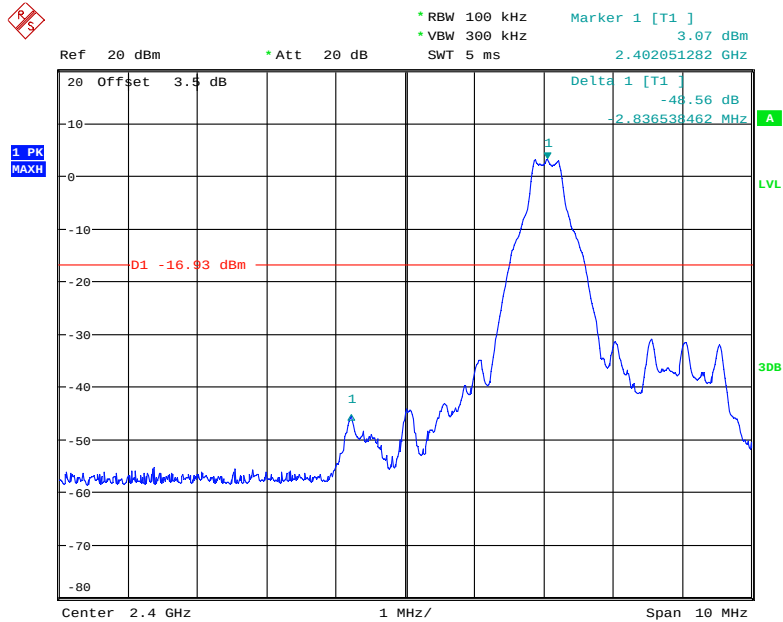
BDR (GFSK): Band Edge-Left Side

Hopping



Date: 15.MAR.2018 22:47:09

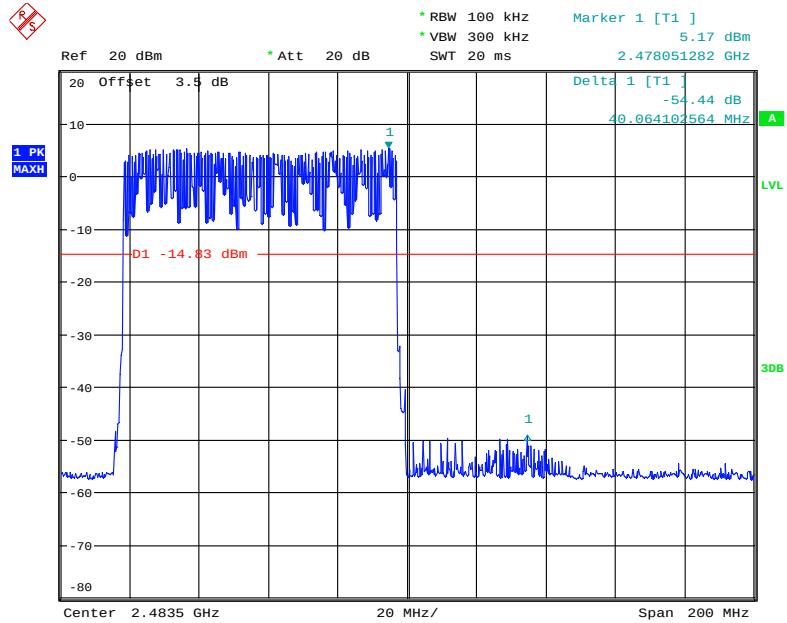
Single



Date: 15.MAR.2018 22:52:09

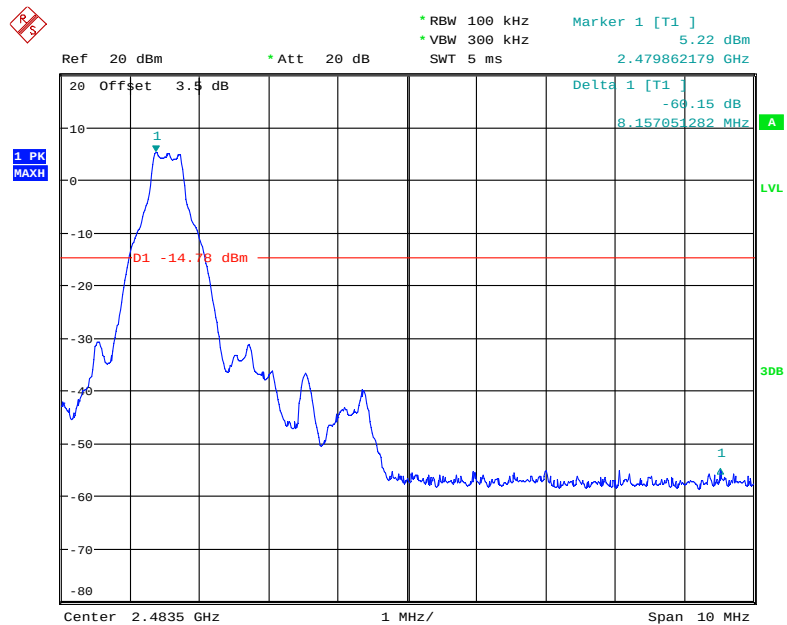
BDR (GFSK): Band Edge-Right Side

Hopping



Date: 15.MAR.2018 22:48:43

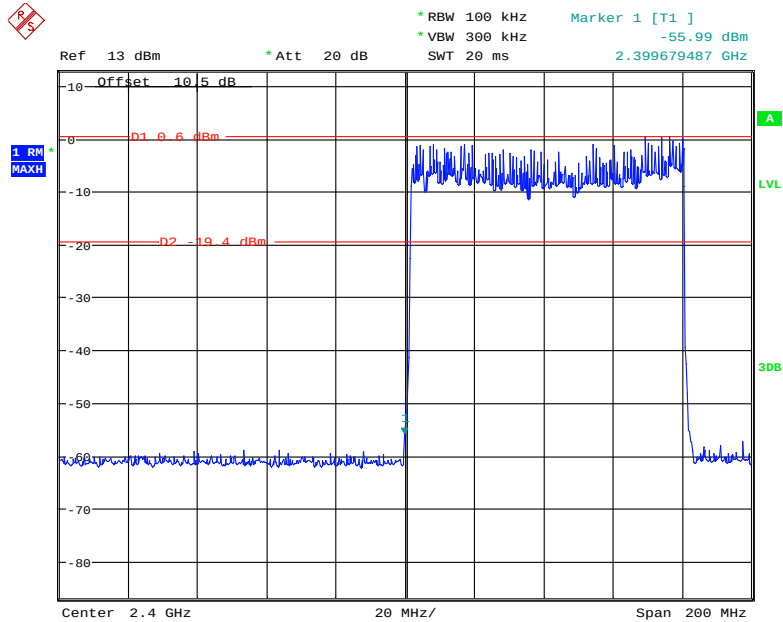
Single



Date: 15.MAR.2018 22:50:29

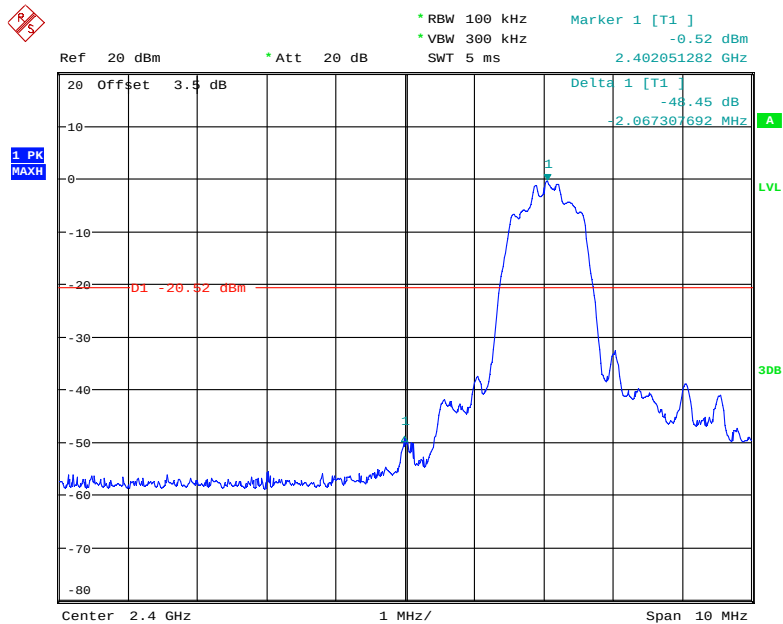
EDR ($\pi/4$ -DQPSK): Band Edge-Left Side

Hopping



Date: 8.APR.2018 19:38:38

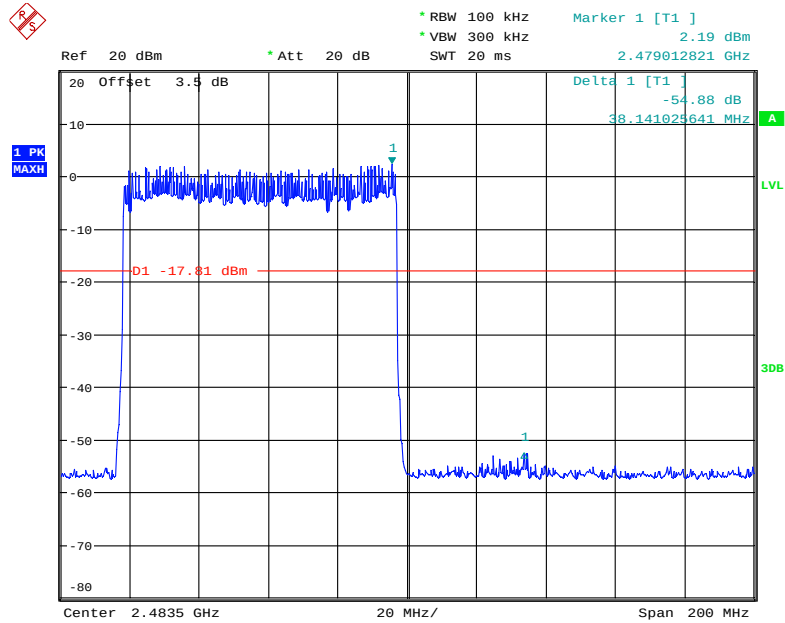
Single



Date: 15.MAR.2018 22:52:57

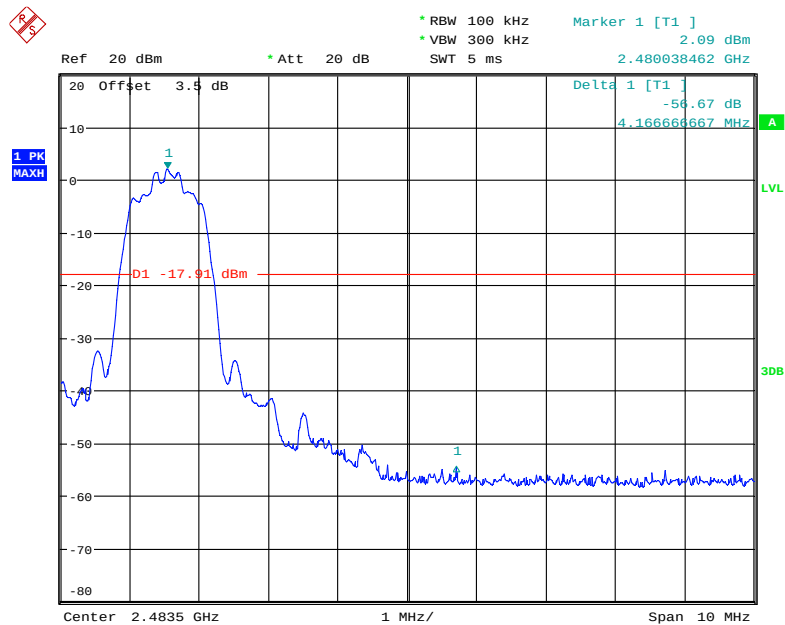
EDR ($\pi/4$ -DQPSK): Band Edge-Right Side

Hopping



Date: 15.MAR.2018 22:38:40

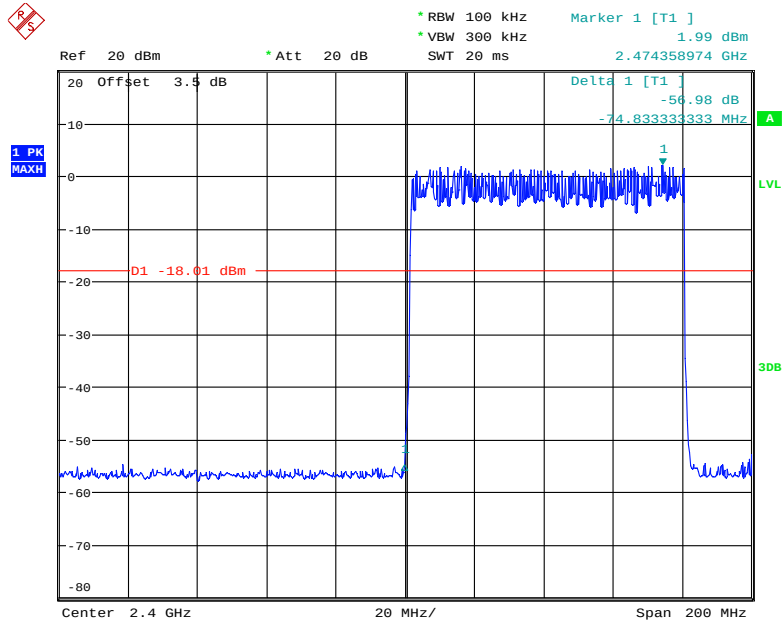
Single



Date: 15.MAR.2018 22:55:20

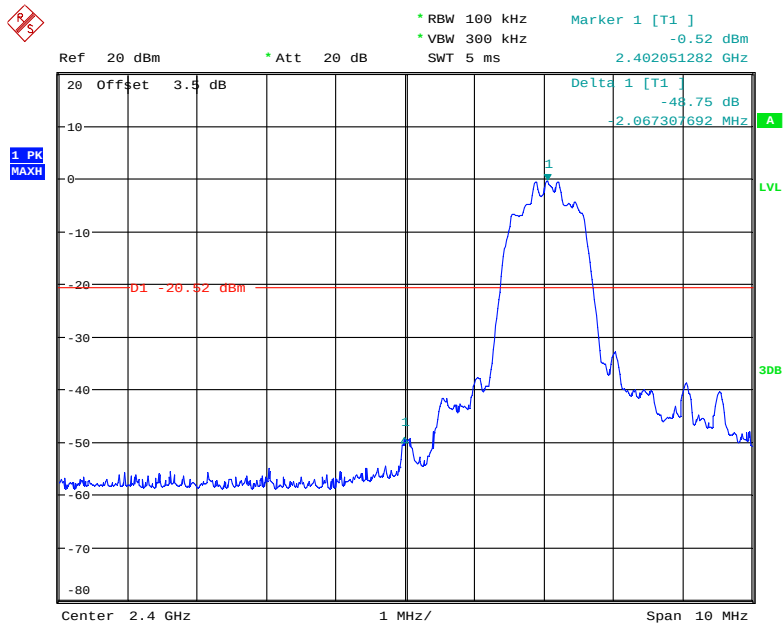
EDR (8DPSK): Band Edge-Left Side

Hopping



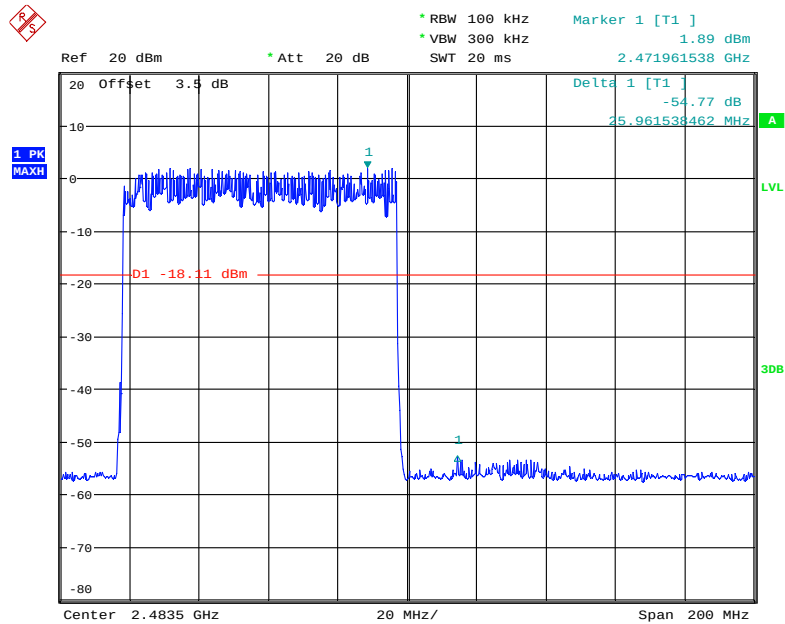
Date: 15.MAR.2018 22:45:06

Single



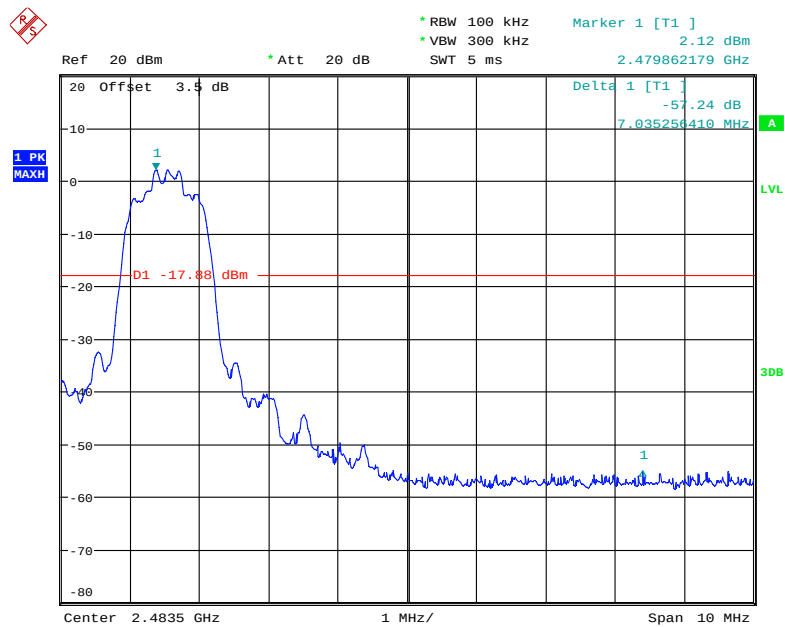
Date: 15.MAR.2018 22:57:24

EDR (8DPSK): Band Edge-Right Side Hopping



Date: 15.MAR.2018 22:42:30

Single



Date: 15.MAR.2018 22:56:45

***** END OF REPORT *****